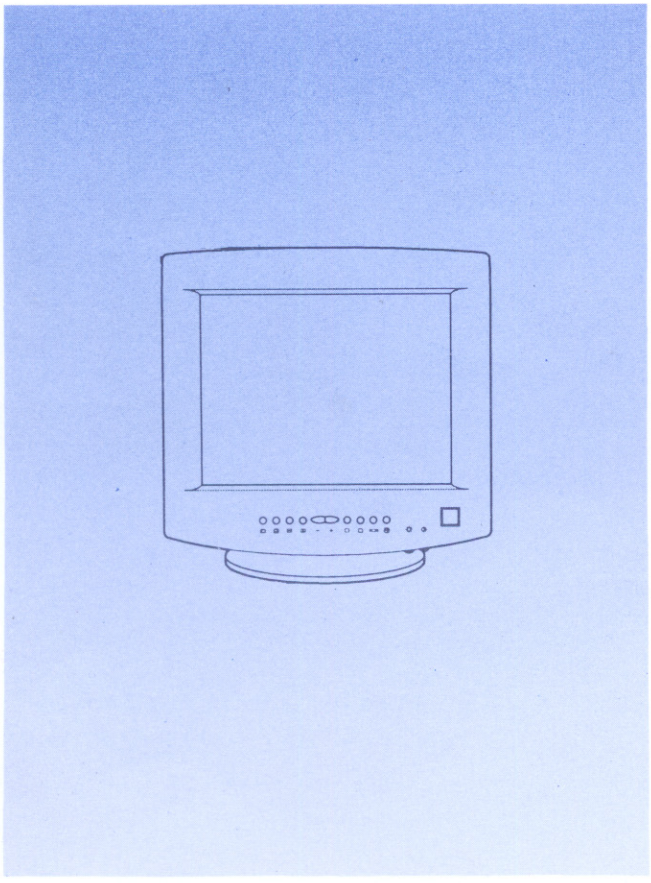
SAMSUNG

MONITOR COLORIDO

CGK5507L/LM (SyncMaster 500s/500Ms)
CGK5517L/LM (5E / 5ME)
CGK5527L/LM

Diagrama Esquemático

MONITOR COLORIDO



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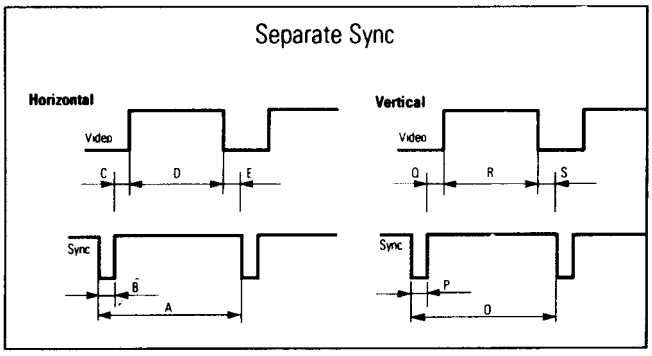
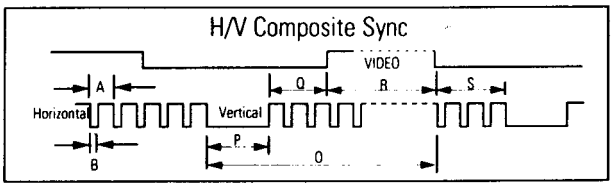
REFERÊNCIAS E INFORMAÇÕES
TABELA 1

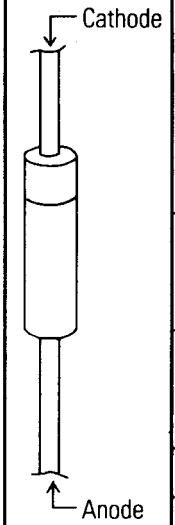
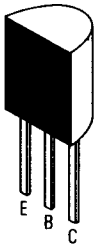
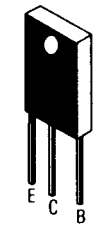
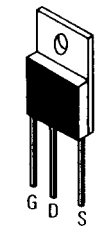
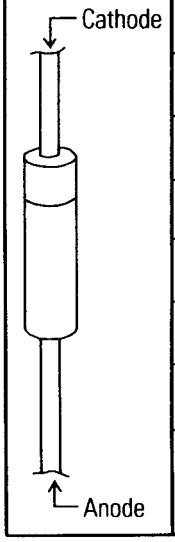
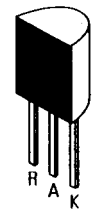
Mode / Timing	IBM		VESA					Apple MAC.
	720/70 Hz 720 x 400	640/60 Hz 640 x 480	640/75 Hz 640 x 480	640/85 Hz 640 x 480	800/75 Hz 800 x 600	800/85 Hz 800 x 600	1024/60 Hz 1024 x 768	640/67 Hz 640 x 480
fH (kHz)	31.469	31.469	37.500	43.269	46.875	53.674	48.363	35.000
A µsec	31.778	31.778	26.667	23.111	21.333	18.631	20.677	28.571
B µsec	3.813	3.813	2.032	1.556	1.616	1.138	2.092	2.116
C µsec	1.907	1.907	3.810	2.222	3.232	2.702	2.462	3.175
D µsec	25.422	25.422	20.317	17.778	16.162	14.222	15.754	21.164
E µsec	0.636	0.636	0.508	1.556	0.323	0.569	0.369	2.116
fV (Hz)	70.087	59.940	75.000	85.008	75.000	85.061	60.004	66.667
O msec	14.268	16.683	13.333	11.764	13.333	11.756	16.666	15.000
P msec	0.064	0.064	0.080	0.069	0.064	0.056	0.124	0.086
Q msec	1.080	1.048	0.427	0.578	0.448	0.503	0.600	1.114
R msec	12.711	15.253	12.800	11.093	12.800	11.179	15.880	13.714
S msec	0.413	0.318	0.027	0.023	0.021	0.019	0.062	0.086
Clock Frequency (MHz)	28.322	25.175	31.500	36.000	49.500	56.250	65.000	0.086
Polarity H.Sync	Negative	Negative	Negative	Negative	Positive	Positive	Negative	Negative
V.Sync	Positive	Negative	Negative	Negative	Positive	Positive	Negative	Negative
Remark	Separate	Separate	Separate	Separate	Separate	Separate	Separate	Separate

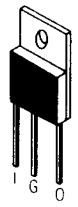
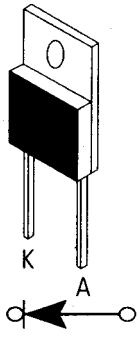
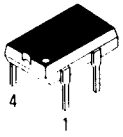
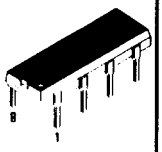
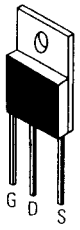
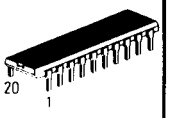
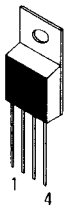
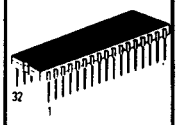
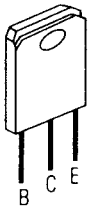
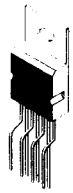
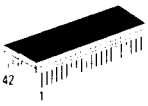
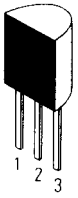




A : Line time total	B : Horizontal sync width	O : Frame time total	P : Vertical sync width
C : Back porch	D : Active time	Q : Back porch	R : Active time
E : Front porch		S : Front porch	

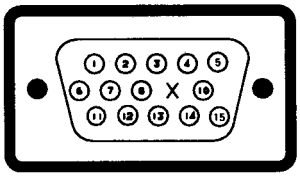
IDENTIFICAÇÃO DOS LEADS E SEMICONDUTORES

PARTS	TYPE NO.	REF. NO.	PARTS	TYPE NO.	REF. NO.
	IN4148	D101, D102, D103, D104, D105, D106, D113, D202, D203, D414, D415, D503, D507, D509, D510, D606, D607, D608, D612, D114, D115, D416, D417, D418, D419, DR03, DG03, DB03		KSC945	Q201, Q203, Q401, Q402, Q408, Q410, Q414, Q416, Q408, Q503, Q505, Q602, Q603, Q606, Q607, Q611
	IN4937	D406, D409, D410, D411, D502, D508, D505, D506, D04, D616		KSA733	Q101, Q202, Q405, Q406, Q417, Q502, Q504
	5.1 V ZENER	D107, D108, D109, D110, D111, D201, D202. D203, D204, D205, D206, D207		2N3904	Q604
	6.2 V ZENER	D201, D204		KSP42	Q2, Q301
	7.5 V ZENER	D302, D501		2N5401	QR01, QG01, QB01
	8.2 V ZENER	D112, D205		2N6520	Q506, Q507
	9.1 V ZENER	D605		MPS3646	Q415
	10 V ZENER	D625		KSC1008	Q102, Q103
	18 V ZENER	D609		KSB772	Q605, Q612
	24 V ZENER	D610, D611		KSE8000	Q407
	27 V ZENER	D413		IRF630	Q411, Q412, Q413
	BAV21	D504, DR01, DG01, DB01, DR02, DG02, DB02			
	RGP15J	D407, D408			
	1R5NU41	D403, D617			
	UF4007	D615		KA431	IC604
	CG1	D412			
	1N4002GP	D301, D402			
	31DF6	D618			
	1N5399GP	D601, D602, D603, D604		KSC2331	Q403, Q404, Q501
	UF5404	D405		KSA1013	Q1
	RGP02-12E	D613, D614			
	RG2	D620, D621, D624			

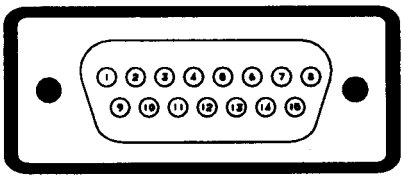
PARTS	TYPE NO.	REF. NO.	PARTS	TYPE NO.	REF. NO.
	MC7805	IC602		FMQG2FLS	D404
	CQY80NG	IC602			
	KA3882 24LC41 KA358	IC601 IC102 IC402		SSP5N90	Q601
	13281B	IC101		KA78R12	IC603
	TDA4858	IC401		2SC5386	Q409
	TDA9302H	IC301		MC68HC705	IC201
	KIA7045P	IC202			

SEGUIMENTO DOS PINOS

Sync Type / Pin No.	15-Pin Signal Cable Connector (Figure 2-5)		Cable Adapter (Figure 2-6)
	Separate	Composite	Macintosh
1	Red	Red	GND-R
2	Green	Green	Red
3	Blue	Blue	H/V Sync
4	GND	GND	Sense 0
5	DDC Return	DDC Return	Green
6	GND-R	GND-R	GND-G
7	GND-G	GND-G	Sense 1
8	GND-B	GND-B	Reserved
9	Reserved	Reserved	Blue
10	GND-Sync/Self-raster	GND-Sync/Self-raster	Sense 2
11	GND	GND	GND
12	DDC Data	DDC Data	V-Sync
13	H-Sync	H/V-Sync	GND-B
14	V-Sync	Not Used	GND
15	DDC Clock	DDC Clock	H-Sync



Male Type

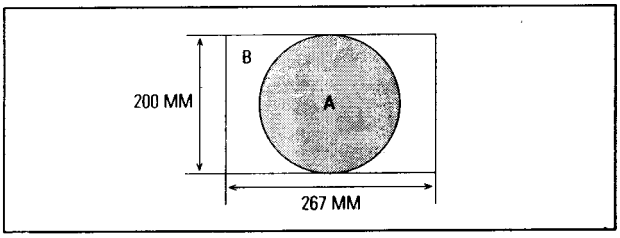


Male Type

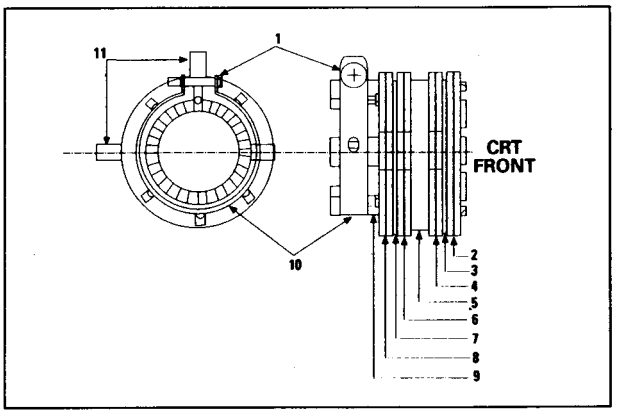
AJUSTES DE CONVERGÊNCIAS

Misconvergence Tolerances

Position	Error in mm	CRT Dot Pitch
Center (A)	0.30	0.28
Edge (B)	0.40	0.28



Convergence Measurement Areas



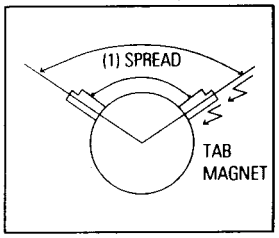
Toshiba CRT			
1 Setup Bolt	2 Bow Magnet	3 Spacer	4 2-Pole Magnet
5 Band	6 6-Pole Magnet	7 Spacer	8 4-Pole Magnet
9 Holder	10 Band	11 Tabs	

Magnet Configuration

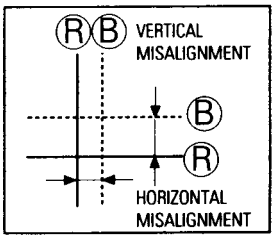
Magnet Movements

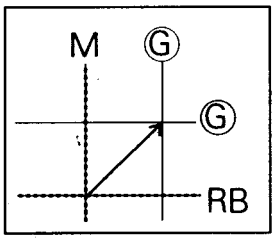
Red and Blue Alignment
(4-pole magnet movement)

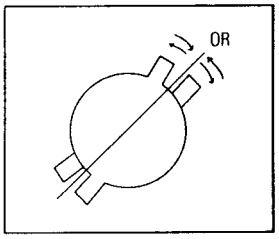
Red, Blue and Green Alignment
(6-pole magnet movement)



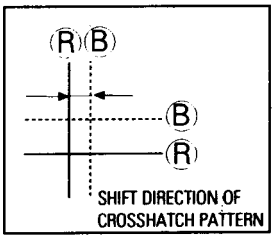
0-Magnetic Field

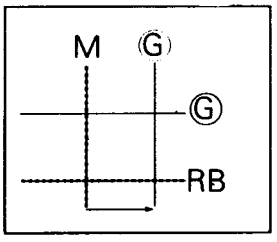


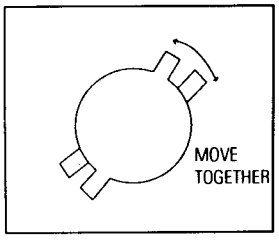




Motion (1)







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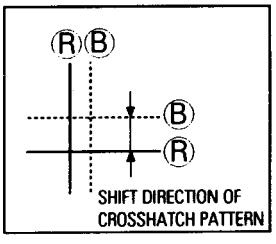


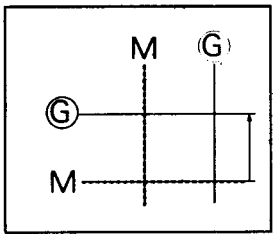
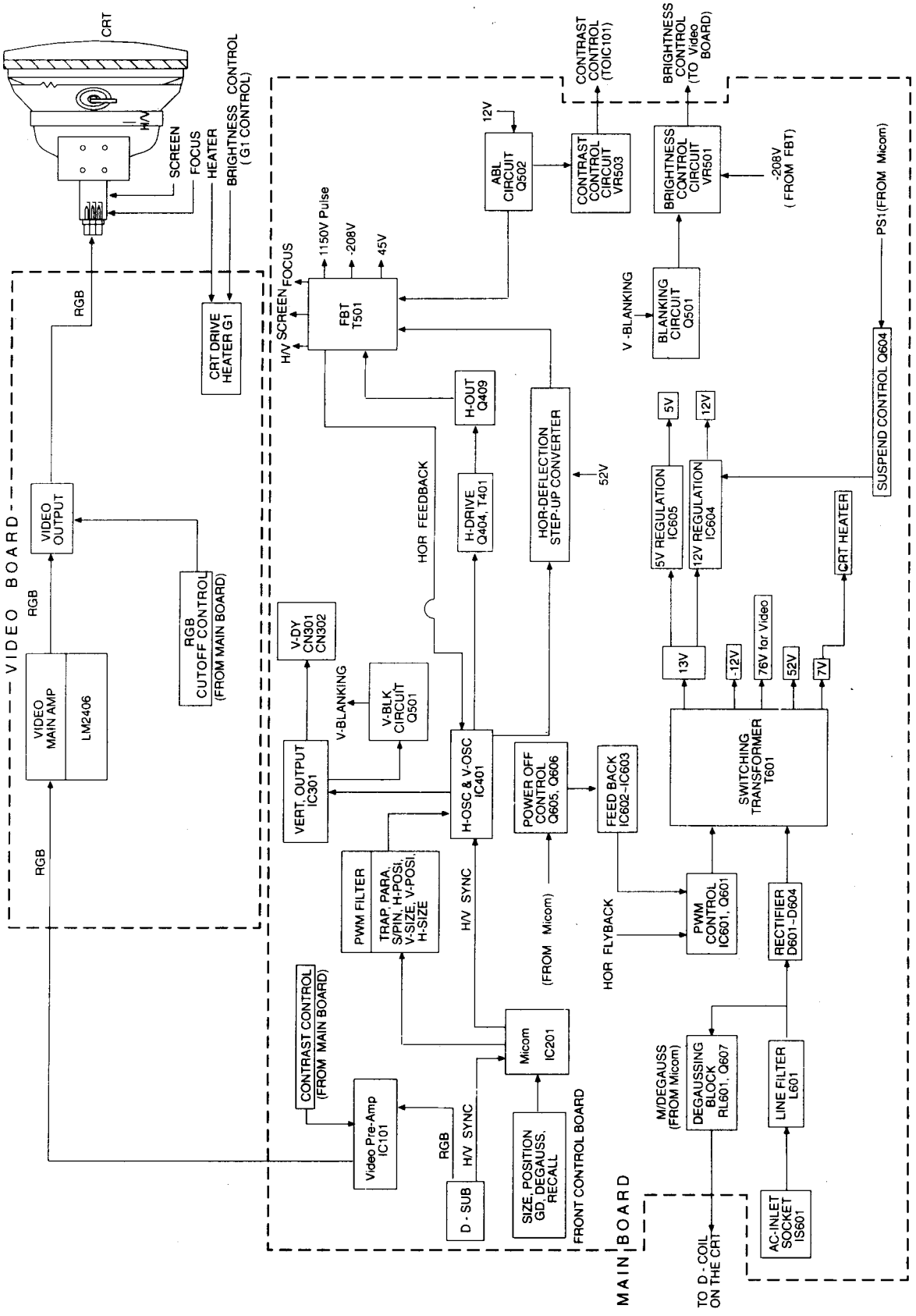
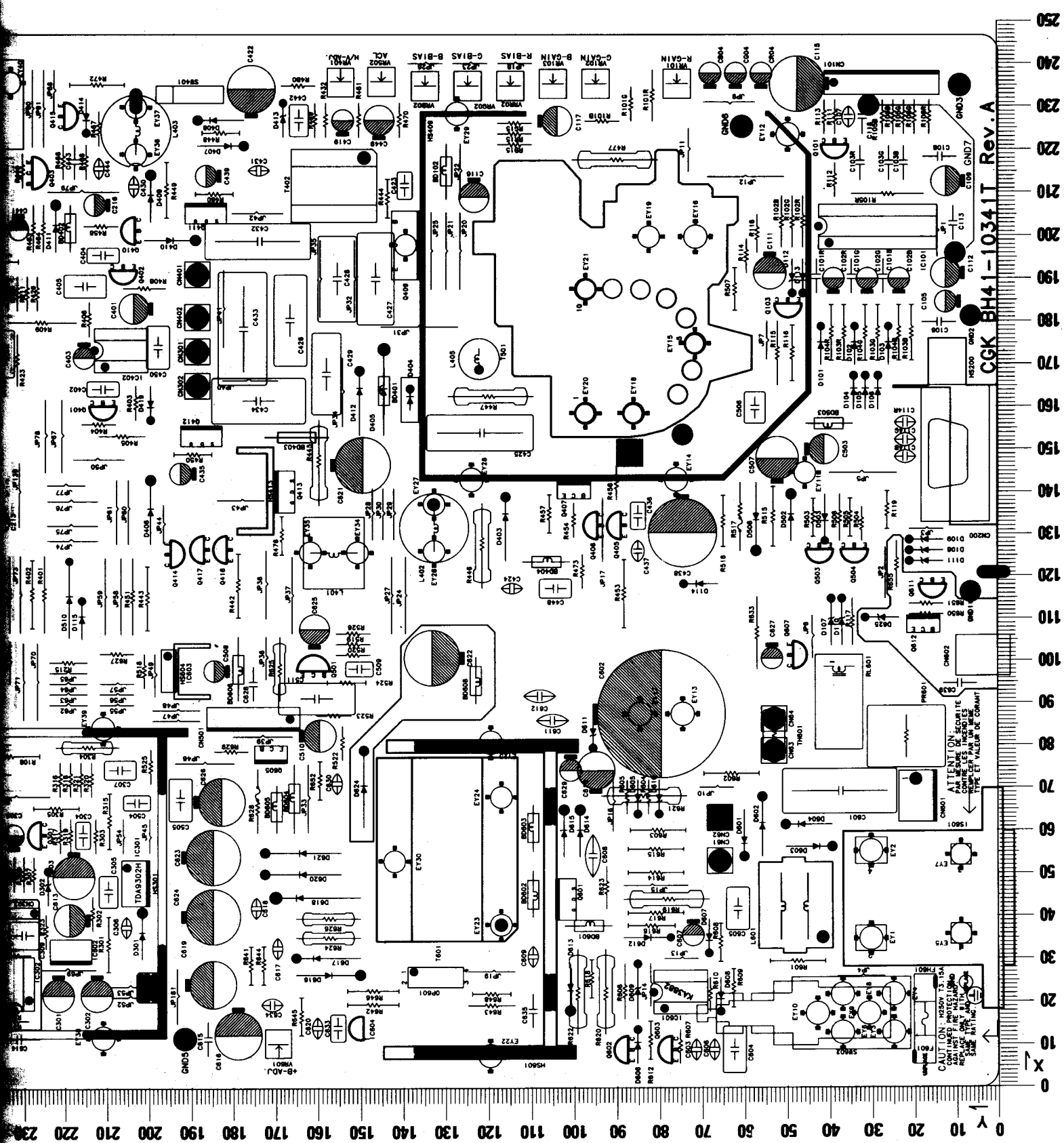
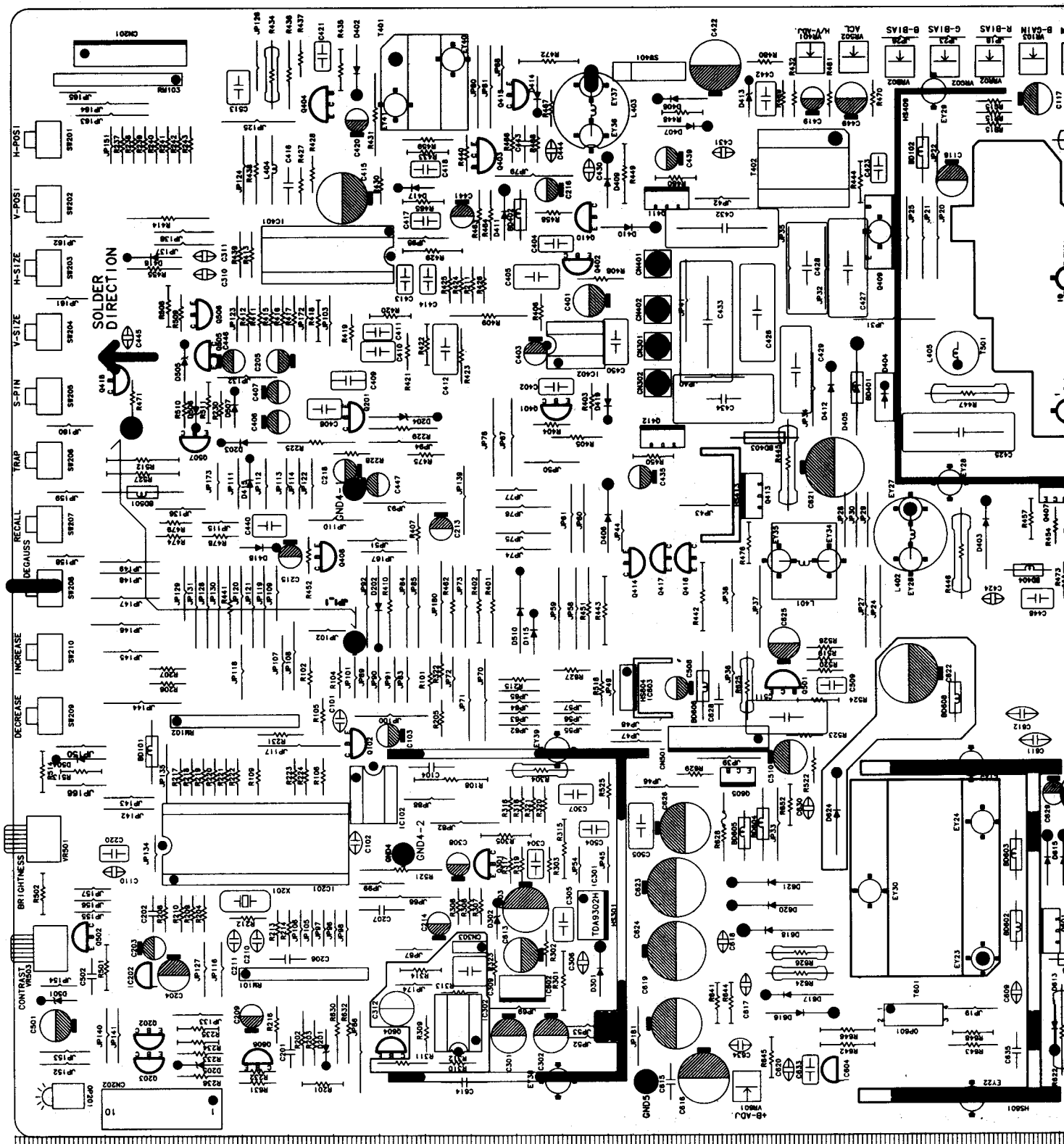


DIAGRAMA EM BLOCOS



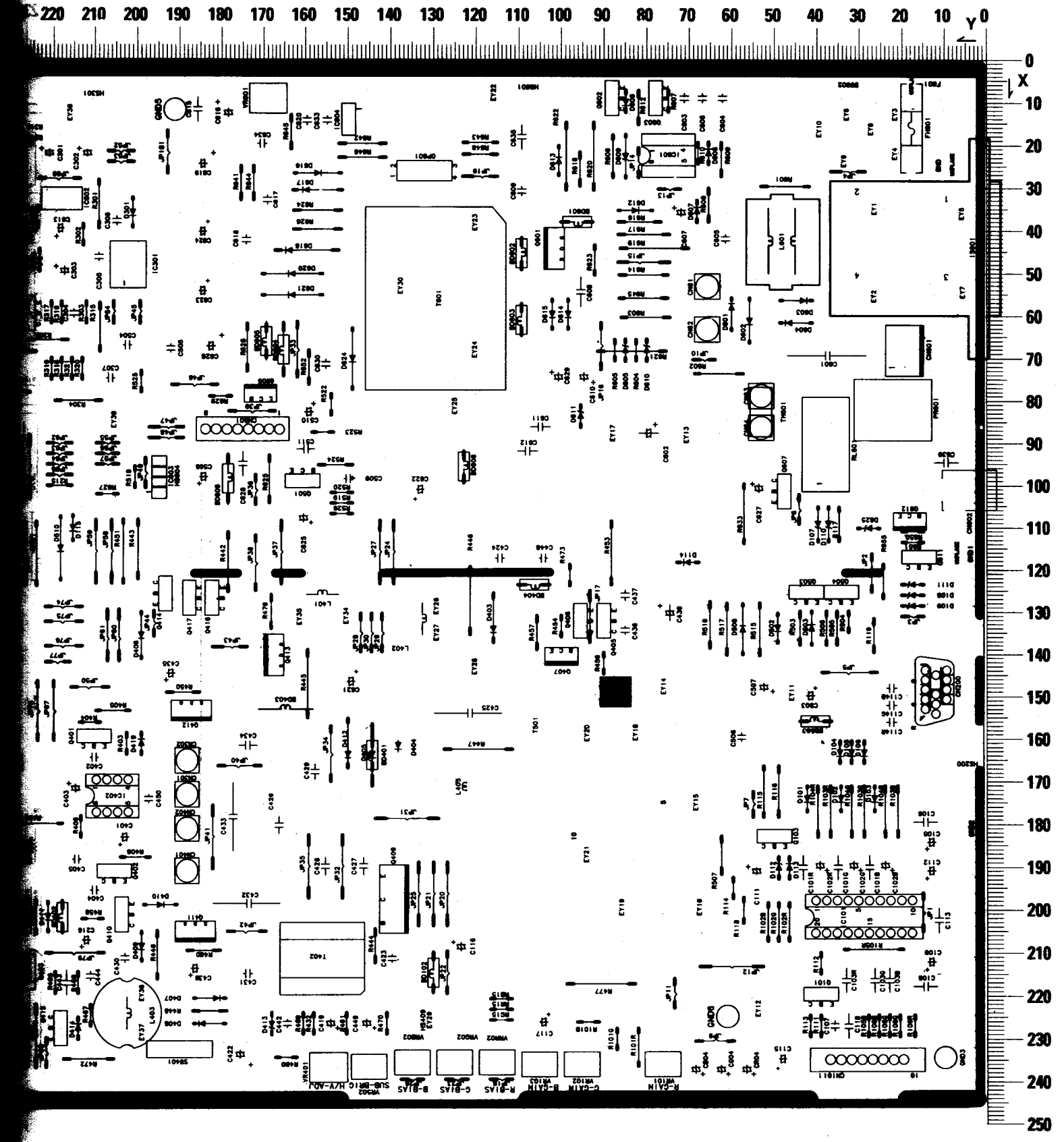


PLACA DE CIRCUITO IMPRESSO

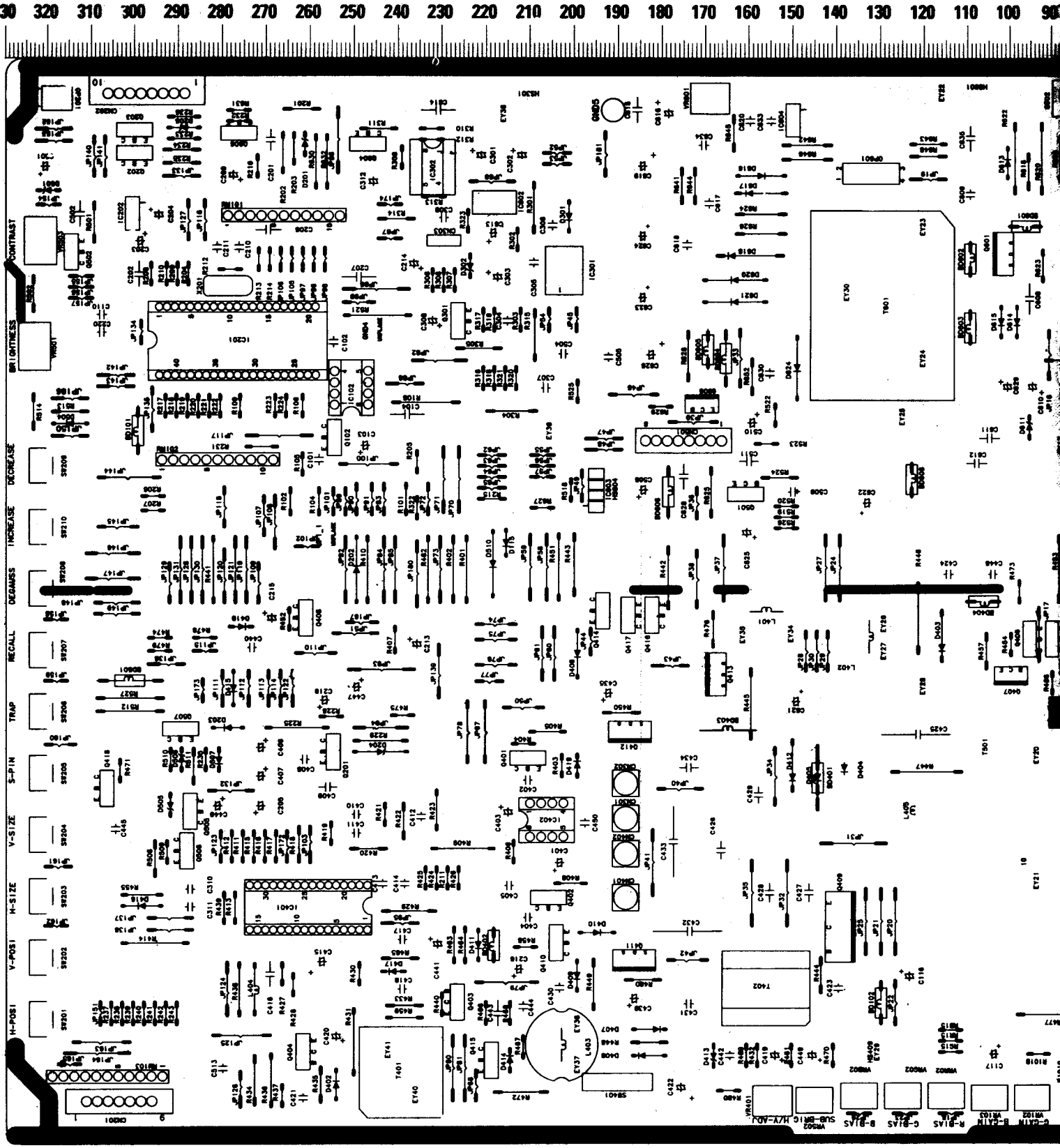


PLACA DE CIRCUITO IMPRESSO

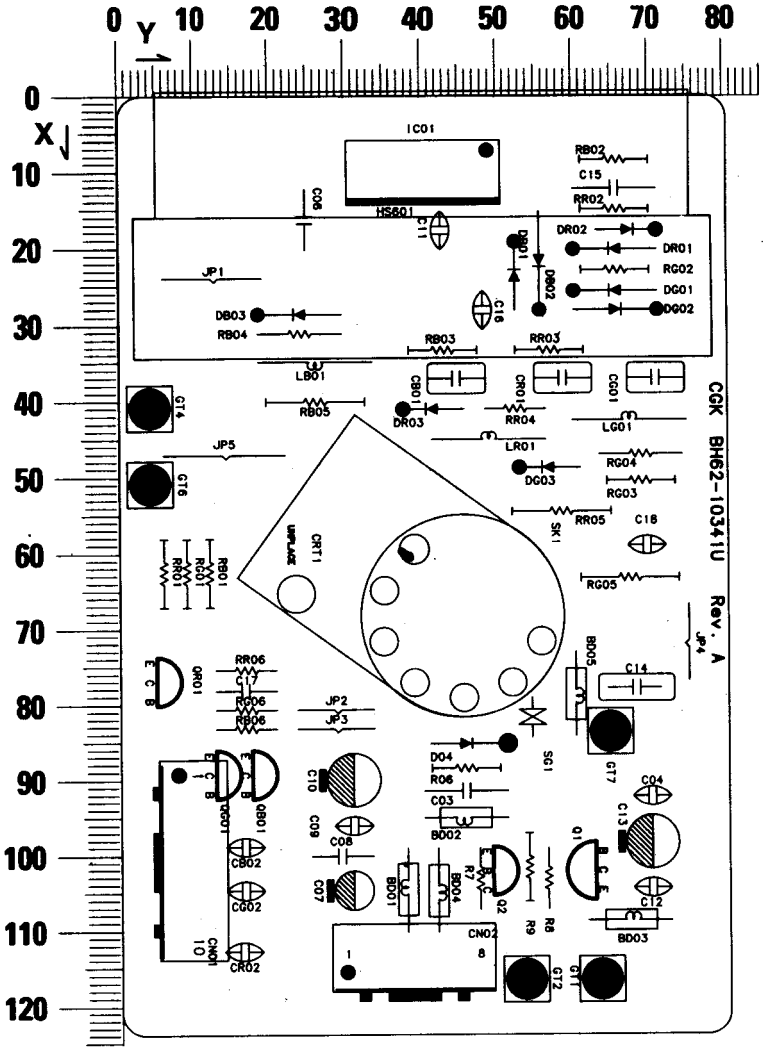
PLACA DE CIRCUITO IMPRESSO



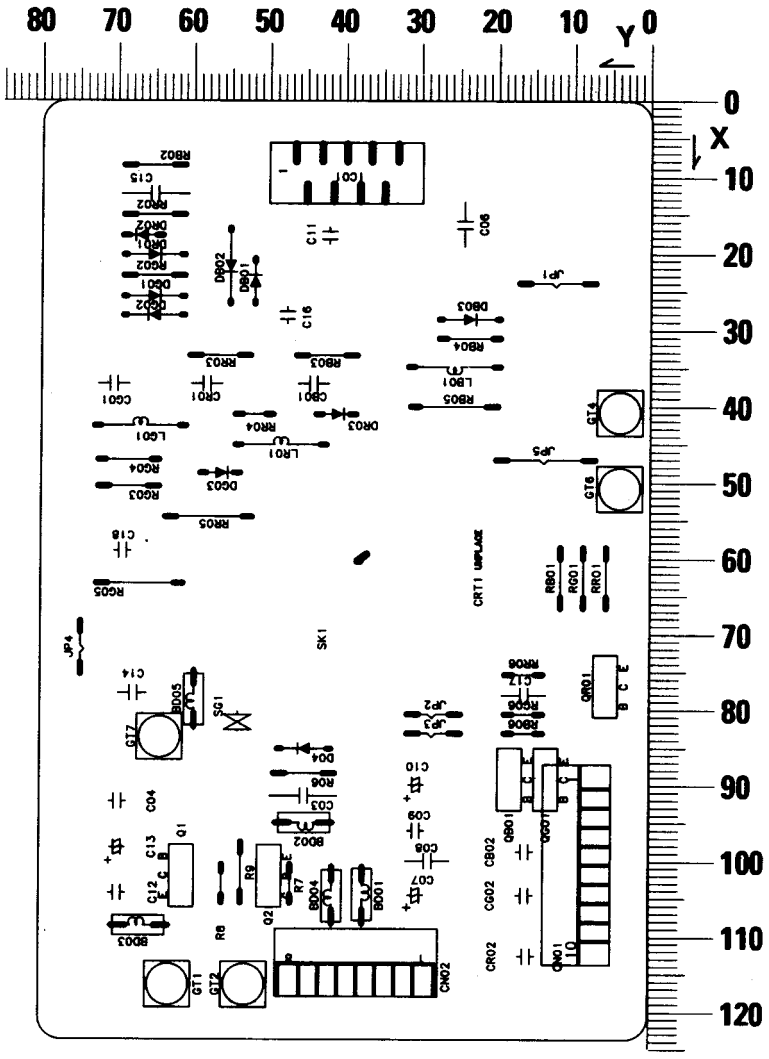
PLACA DE CIRCUITO IMPRESSO



PLACA DE CIRC



DE CIRCUITO IMPRESSO



IC101 (MC13281BP) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800 X 600 75Hz	720X400 70Hz
1	2.982	2.982
2	2.521	2.496
3	2.841	2.841
4	2.526	2.502
5	2.757	2.757
6	2.535	2.511
7	0.3	0.3
8	8.16	8.16
9	2.970	2.961
10	0.2	0.2
11	2.251	2.307
12	5.7	5.7
13	8.16	8.16
14	5.61	5.63
15	2.349	2.404
16	5.09	5.1
17	5.53	5.57
18	2.405	2.404
19	0.670	0.608
20	0.9	0.555

Units: Vrms

IC102 (24LC411) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	5.7	5.7
2	167.6	167.6
3	-4.9	-5.6
4	5.05	5.05
5	5.05	5.05
6	-5.6	-5.6
7	5.07	5.07
8	10.7	10.7

Units: Vrms

IC201 (MC68HC705BD7) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	1.165	2.151
2	1.882	2.048
3	3.051	1.646
4	5.08	5.08
5	5.08	5.08
6	5.08	5.08
7	-4.6	-5.3
8	2.415	2.416
9	2.310	2.309
10	5.06	5.06
11	5.05	5.05
12	-1.6	-1.6
13	1.084	1.080
14	-0.2	0.5
15	0.1	1
16	291.1	204.9
17	232.2	232.2
18	3.45	3.45
19	3.27	3.39
20	3.38	3.38
21	3.76	3.76
22	3.80	3.80
23	3.75	3.75
24	3.74	3.74
25	10.8	10.8
26	5.9	5.9
27	5.06	5.06
28	6.26	17.9
29	5.04	4.7
30	3.76	3.70
31	-0.9	2.1
32	5.06	5.06
33	23.3	23.3
34	321.1	0.601
35	1.955	2.210
36	1.960	1.495
37	179.4	109.5
38	1.948	1.904
39	1.660	1.955
40	2.749	1.721
41	0.341	2.838
42	168.3	168.3

Units: Vrms

M DOS PINOS

IC301 (TDA9302H) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	202.4	203.3
2	13.13	13.05
3	-11.08	-11.06
4	-11.60	-11.53
5	134.4	206.8
6	12.80	12.69
7	203.7	203.7

Units: Vrms

IC402 (KA358) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	2.64	2.577
2	2.638	2.638
3	2.634	2.634
4	-0.7	-0.7
5	2.634	2.634
6	2.638	2.638
7	2.642	2.718
	12.05	12.05

Units: Vrms

IC401 (TDA4858) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	293.2	-40.7
2	-2.1	-3.6
3	3.5	2.455
4	0.862	278.8
5	2.493	2.486
6	0.468	0.648
7	2.058	2.026
8	-2.0	-3.3
9	11.73	11.76
10	5.0	2.3
11	4.75	3.33
12	3.27	3.25
13	3.43	3.45
14	22.9	24.1
15	0.328	0.607
16	0.777	0.704
17	5.05	5.05
18	5.05	5.05
19	5.05	5.05
20	5.02	5.02
21	5.05	5.05
22	2.726	2.983
23	3.063	3.073
24	2.689	2.688
25	-2.0	-3.5
26	3.53	5.34
27	3.44	5.24
28	2.577	2.575
29	4.43	4.42
30	5.17	5.16
31	5.29	4.87
32	5.06	5.06

Units: Vrms

IC601 (KA3882) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	-70.8	-70.8
2	-70.8	-71.2
3	-73.2	-73.5
4	-72.7	-72.8
5	-73.4	-73.6
6	-68.3	-70.0
7	-58.4	-58.6
8	-68.8	-68.8

Units: Vrms

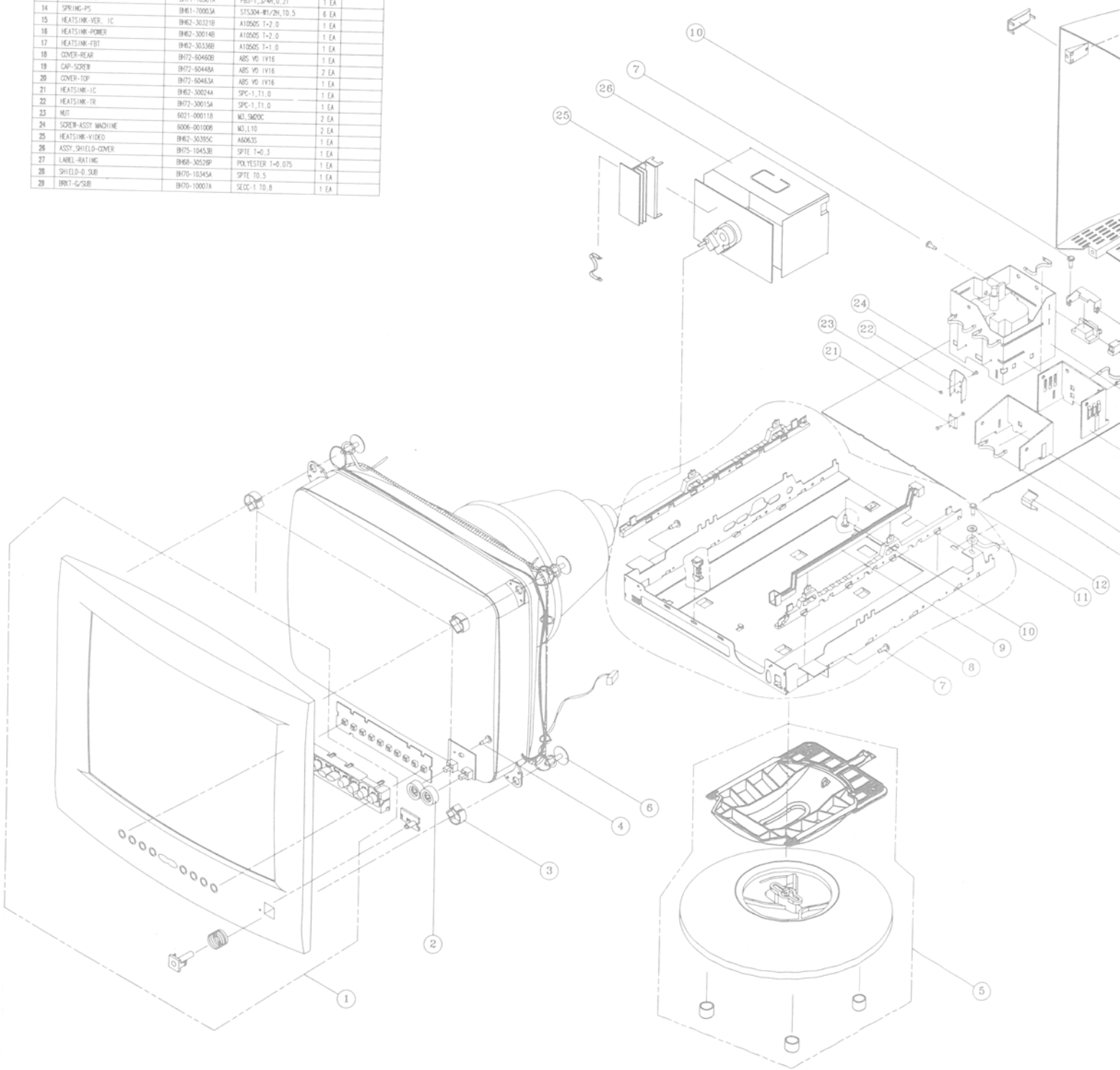
IC602 (KA7805) Pin Voltages

pin #	MODES	
	STANDARD	IBM VGA2
	800X600 75Hz	720X400 70Hz
1	5.07	5.07
2	-7.4	-7.4
3	13.13	13.13

Units: Vrms

VISTA EXPLODIDA MODELO CGK550

NO	DESCRIPTION	CODE-NO	SPECIFICATION	Q'TY	REMARK
1	UNIT COVER-FRONT	EH75-10526B	ABS V0 1V16	1 EA	NORMAL
2	KNOB-VR	EH64-10412A	ABS V0 1V16	2 EA	
3	CAP-BOSS	EH72-60491B	PVC 80±	4 EA	
4	TAPTITE SCREW	6003-000010	D3,L10,吸/W	1 EA	
5	STAND-ASSY	EH792-60085G	ABS HB 1V16	1 EA	
6	CRT SCREW	6006-000001	D5,L30	4 EA	
7	TAPTITE SCREW	6003-000009	BH,M4,L16	7 EA	
8	UNIT FRAME	EH75-10064B	SECC-1 T=1.0	1 EA	
9	SHAFT POWER	EH72-60010B	PBT,WHT	1 EA	
10	TAPTITE-SCREW	6003-000015	BH,M3,L8,ZPC	2 EA	
11	WASHER-SPRING	6031-000348	M4,ID4.1,OD7.6,T1.7	1 EA	
12	TAPTITE SCREW	6003-000129	M4,L10,ZPC	1 EA	
13	EARTH-PLATE	EH71-10381A	PBS-1,3/4H,0.2T	1 EA	
14	SPRING-PS	EH61-70003A	STS304-WI/2H,T0.5	6 EA	
15	HEATSINK-VER. IC	EH62-30321B	A1050S T=2.0	1 EA	
16	HEATSINK-POWER	EH62-30014B	A1050S T=2.0	1 EA	
17	HEATSINK-FBT	EH62-30336B	A1050S T=1.0	1 EA	
18	COVER-REAR	EH72-60460B	ABS V0 1V16	1 EA	
19	CAP-SCREW	EH72-60448A	ABS V0 1V16	2 EA	
20	COVER-TOP	EH72-60463A	ABS V0 1V16	1 EA	
21	HEATSINK-IC	EH62-30024A	SPC-1,T1.0	1 EA	
22	HEATSINK-TR	EH72-30015A	SPC-1,T1.0	1 EA	
23	NUT	6021-000118	M3,S820C	2 EA	
24	SCREW-ASSY MACHINE	6006-001008	M3,L10	2 EA	
25	HEATSINK-VIDEO	EH62-30395C	A5063S	1 EA	
26	ASSY,SHIELD-COVER	EH75-10453B	SPTE T=0.3	1 EA	
27	LABEL-RATING	EH68-30526P	POLYESTER T=0.075	1 EA	
28	SHIELD-D,SUB	EH70-10345A	SPTE T0.5	1 EA	
29	BRKT-G/SUB	EH70-10007A	SECC-1 T0.8	1 EA	



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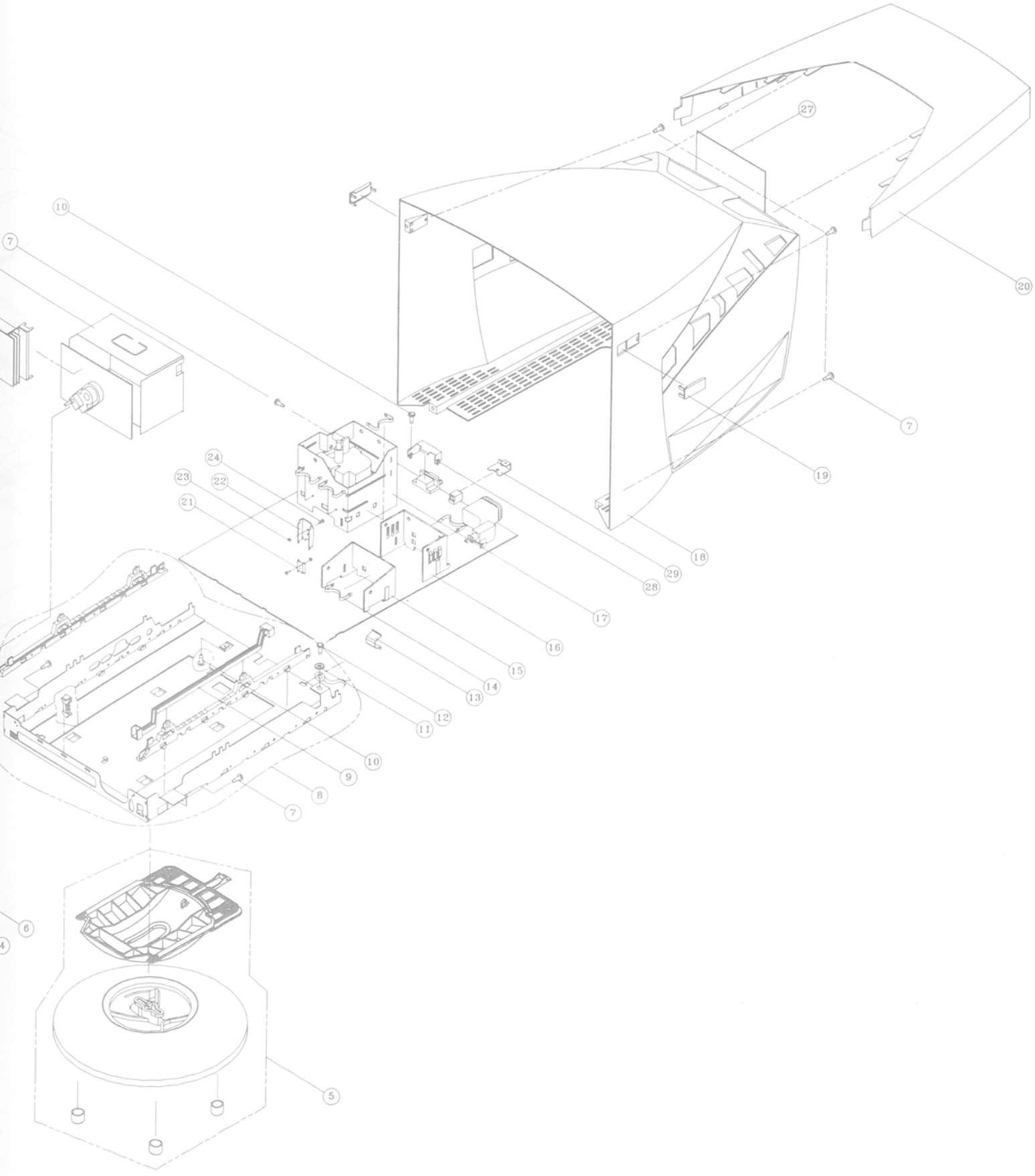

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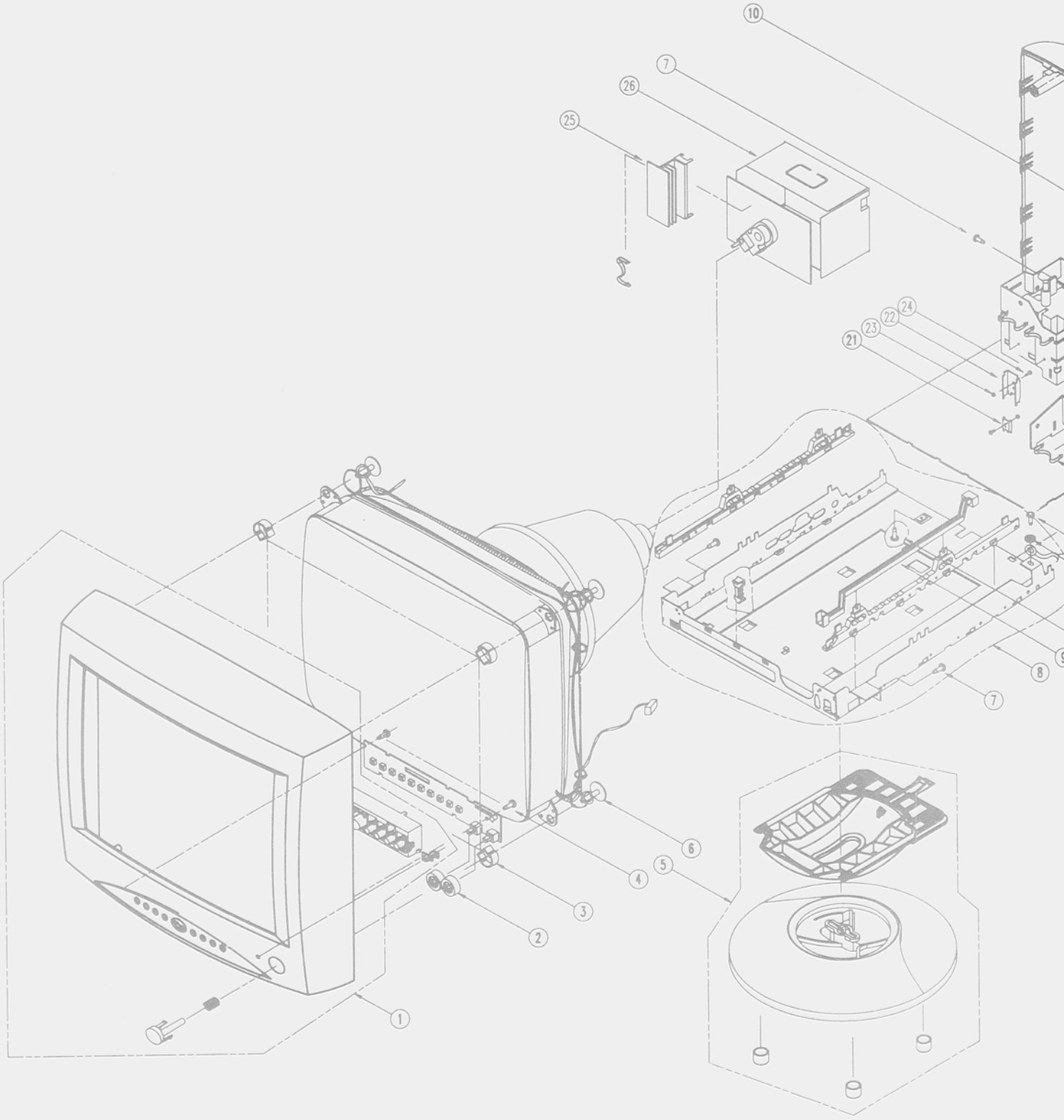

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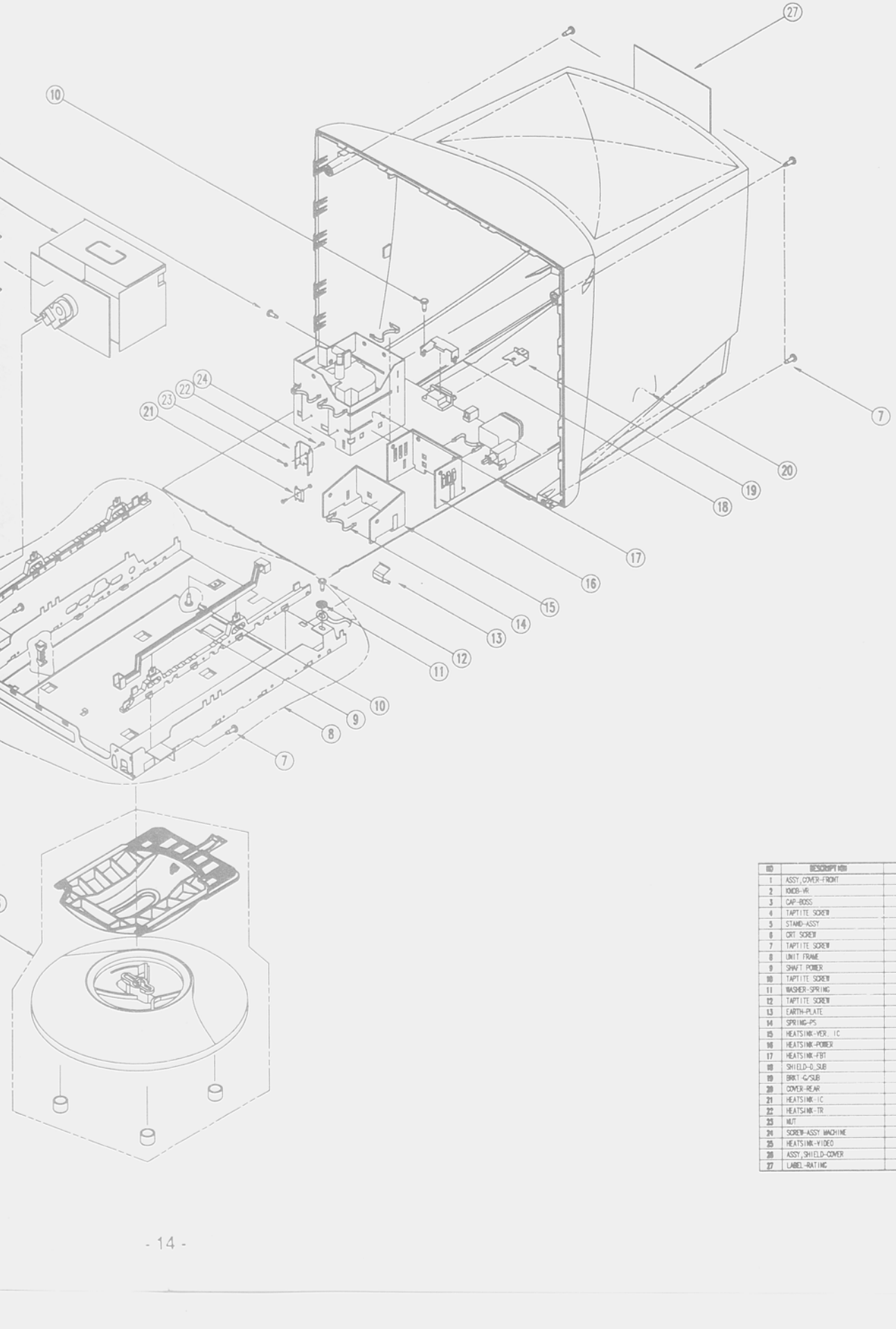
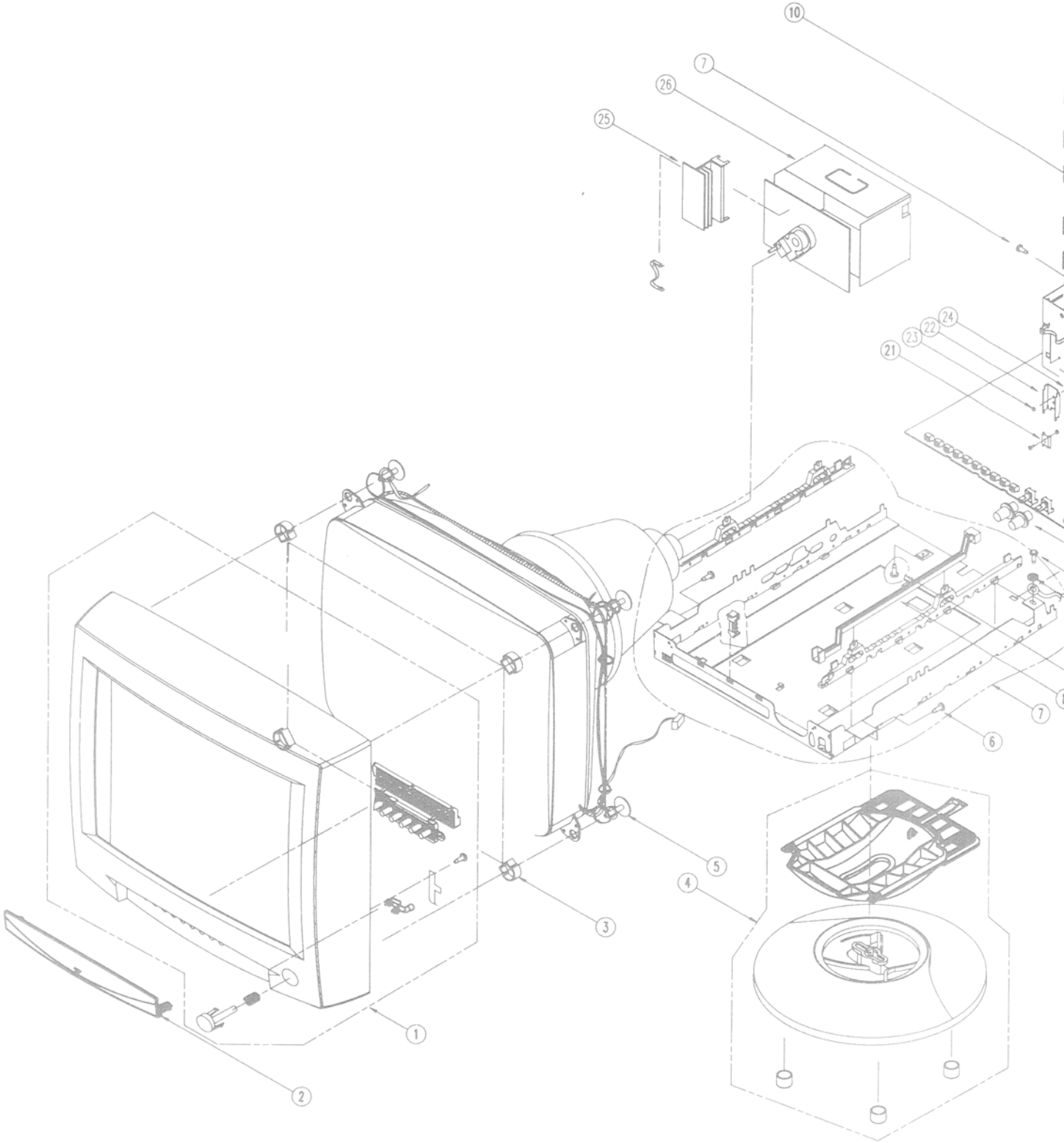


NO	DESCRIPTION	CODE-NO	SPECIFICATION	Q'TY	REMARK
1	ASSY,COVER-FRONT	BH75-10480B	ABS VO (V)16	1 EA	
2	KNOB-VR	BH64-10392B	ABS VO (V)16	2 EA	
3	CAP-BOSS	BH72-60481B	PVC BOX	4 EA	
4	TAPTITE SCREW	6003-000010	DJ,L10,BLK	2 EA	
5	STAND-ASSY	BH75-10442B	ABS HB (V)16	1 EA	
6	CRT SCREW	6006-000001	DS,L30	4 EA	
7	TAPTITE SCREW	6003-000009	BH,M4,L16	7 EA	
8	UNIT FRAME	BH75-10064B	SECC-1 T+1.0	1 EA	
9	SHAFT POWER	BH72-60010B	PBT,WHT	1 EA	
10	TAPTITE SCREW	6003-000015	WD,L8	2 EA	
11	WASHER-SPRING	6031-000348	WH,ID4.1,OD7.6,T1.7	1 EA	
12	TAPTITE SCREW	6003-000129	WH,L10,ZPC	1 EA	
13	EARTH-PLATE	BH71-10381A	PBS-1,3/4H,0.2T	1 EA	
14	SPRING-PS	BH61-70003A	STS304-WH/ZH,T0.5	6 EA	
15	HEATSINK-VER. IC	BH62-30321B	A1050S T+2.0	1 EA	
16	HEATSINK-POWER	BH62-30014B	A1050S T+2.0	1 EA	
17	HEATSINK-FBT	BH62-30136B	A1050S T+1.0	1 EA	
18	SHIELD-D,SUB	BH70-10345A	SPTE T0.5	1 EA	
19	BRKT-G/SUB	BH70-10007A	SECC-1 T0.8	1 EA	
20	COVER-REAR	BH72-60556A	ABS VO (V)16	1 EA	
21	HEATSINK-IC	BH62-30024A	SPC-1,T1.0	1 EA	
22	HEATSINK-TR	BH72-30015A	SPC-1,T1.0	1 EA	
23	NUT	6021-000118	WD,SW20C	2 EA	
24	SCREW-ASSY MACHINE	6006-001008	WD,L10	2 EA	
25	HEATSINK-VIDEO	BH62-30395C	A6063S	1 EA	
26	ASSY,SHIELD-COVER	BH75-10453B	SPTE T+0.3	1 EA	
27	LABEL-RATING	BH68-30533A	POLYESTER T+0.075	1 EA	

VISTA EXPLODIDA MODELO C



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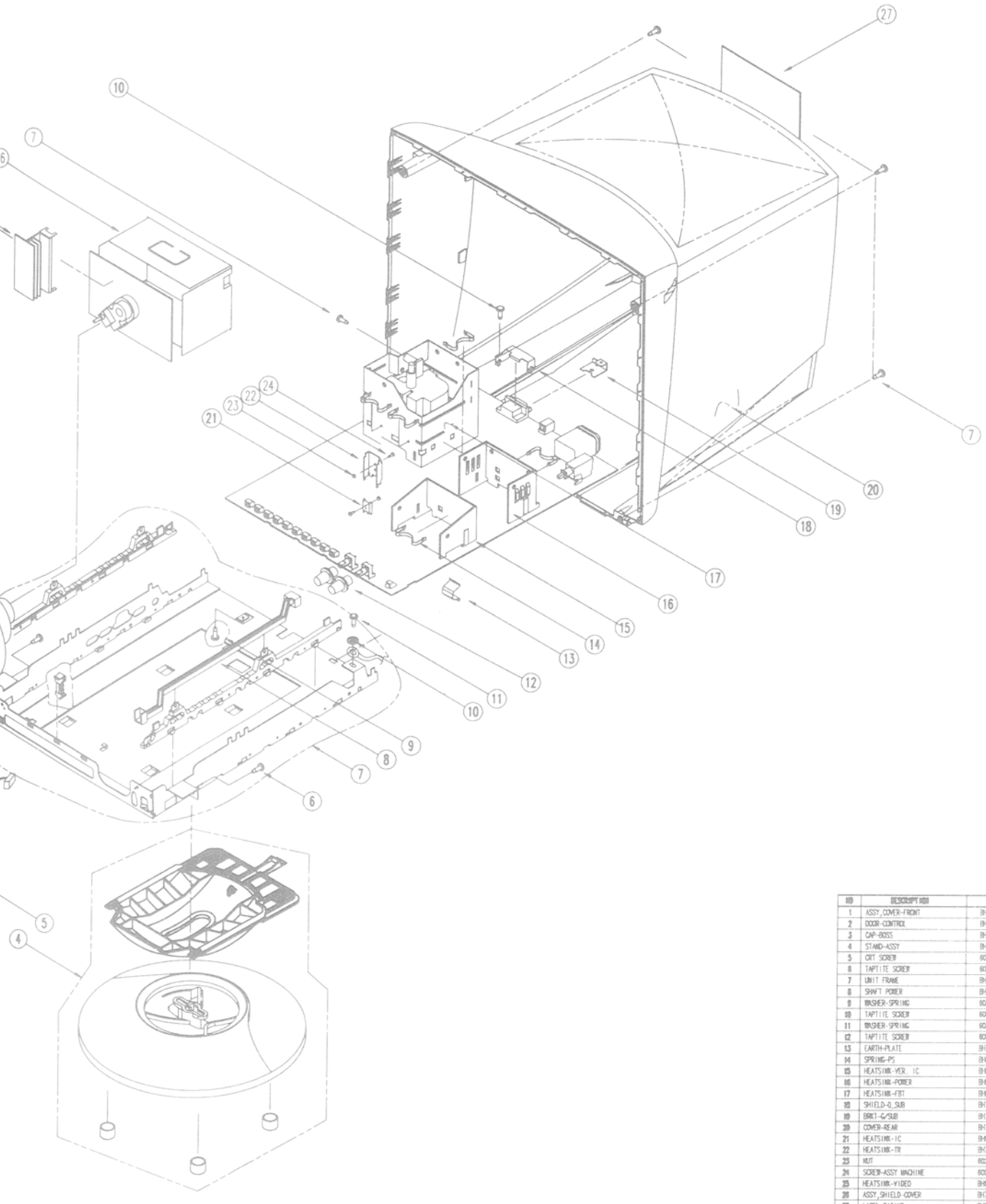
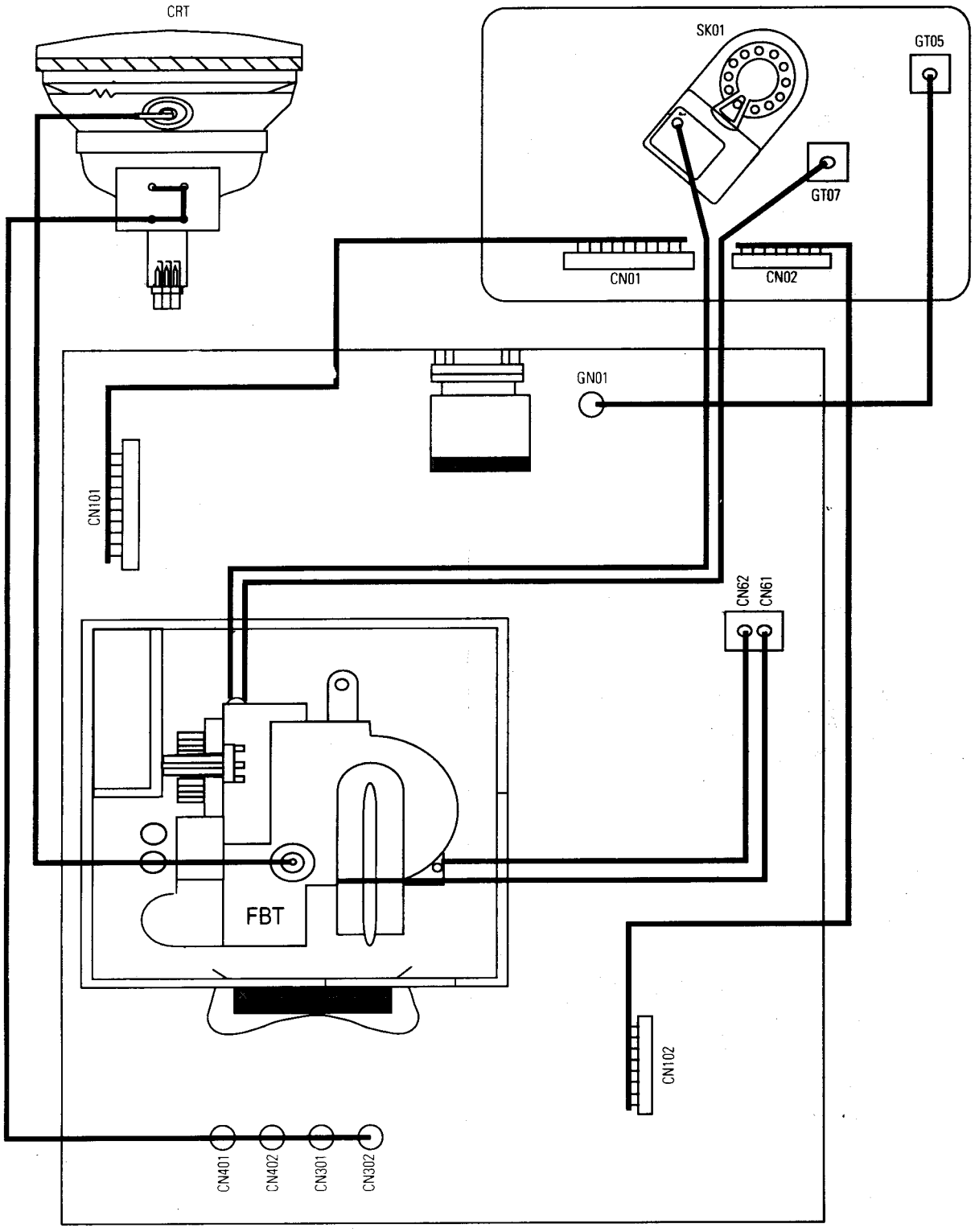


NO	DESCRIPTION	CODE NO	SPECIFICATION	QTY
1	ASSY,COVER-FRONT	BH75-10441A	ABS VO 1V16	1 EA
2	DOOR-CONTROL	BH64-10343B	ABS VO 1V16	1 EA
3	CAP-BOSS	BH72-60461B	PVC 80±	4 EA
4	STAND-ASSY	BH75-10442B	ABS HB 1V16	1 EA
5	CRT SCREW	6006-000001	D5,L30	4 EA
6	TAPTITE SCREW	6003-000009	BH,M4,L16	7 EA
7	UNIT FRAME	BH75-10064B	SECC-1 T=1.0	1 EA
8	SHAFT POWER	BH72-60010B	PBT,BMT	1 EA
9	WASHER-SPRING	6031-000348	WM,10M.1,OD7.6,T1.7	1 EA
10	TAPTITE SCREW	6003-000015	M3,L8	2 EA
11	WASHER-SPRING	6031-000348	WM,10M.1,OD7.6,T1.7	1 EA
12	TAPTITE SCREW	6003-000129	WM,L10,ZPC	1 EA
13	EARTH-PLATE	BH71-10381A	PBS-1,3/4H,0.2T	1 EA
14	SPRING-PS	BH61-70003A	ST5304-WT1/2H,T0.5	6 EA
15	HEATSINK-VER. IC	BH62-30321B	A1050S T=2.0	1 EA
16	HEATSINK-POWER	BH62-30014B	A1050S T=2.0	1 EA
17	HEATSINK-FBT	BH62-30336B	A1050S T=1.0	1 EA
18	SHIELD-D_SUB	BH70-10345A	SPTE T0.5	1 EA
19	BRKT-G/SUB	BH70-10007A	SECC-1 T0.8	1 EA
20	COVER-REAR	BH72-60556A	ABS VO 1V16	1 EA
21	HEATSINK-IC	BH62-30024A	SPC-1,T1.0	1 EA
22	HEATSINK-TR	BH72-30015A	SPC-1,T1.0	1 EA
23	NUT	6021-000118	M3,SM20C	2 EA
24	SCREW-ASSY MACHINE	6006-001008	M3,L10	2 EA
25	HEATSINK-VIDEO	BH62-30395C	A80635	1 EA
26	ASSY,SHIELD-COVER	BH75 10453B	SPTE T=0.3	1 EA
27	LABEL-RATING	BH88-	POLYESTER T=0.075	1 EA

DIAGRAMA DE FIAÇÃO



LISTA DE PEÇAS

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
BD101	77.5	299.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD102	208.5	130	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD401	158.3	144.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD402	196.3	218.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD403	153	157.5	3301-000012	CORE-FERRITE BEAD	AA,3.5x1x9mm,1000,3000G	
BD404	123.8	112	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD501	141.5	292.3	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD503	156	34.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD601	38.3	102	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD602	51.3	109.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD603	55.8	109.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD604	60.3	165.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD605	60.3	169.8	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD606	106.3	178.8	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
BD608	101.5	123	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM	
C101	93.8	258.3	2201-000144	CAP-CERAMIC,101J,1H,NPO	100PF,50V,5%,NPOPPM,NPO,DISC	
C102	67	255	2201-000144	CAP-CERAMIC,101J,1H,NPO	100PF,50V,5%,NPOPPM,NPO,DISC	
C103	88	250.3	2401-000050	C-AL	10uF,20%,16V,GP,5x11mm,2mm,TP	
C104	81	243.3	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C105	184.5	15	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C106	179.8	18	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C107	230.3	35.5	2201-000234	CAP-CERAMIC,151J,1H,NPO	150PF,50V,5%,NPOPPM,NPO,DISC	
C108	218.5	18	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C109	212.8	15	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C101B	194.5	27.3	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C101G	194.5	34.8	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C101R	194.5	43	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C102B	192.5	23.5	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C102G	192.5	31	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C102R	192.5	39	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C103B	213	22.5	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C103G	213	26	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C103R	213	32.8	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C110	58.3	310.3	2201-000013	CAP-CERAMIC,471K,1H,Y5P	470PF,50V,10%,10%,Y5P,DISC-RADI	
C111	188.8	54	2401-000037	CAP-AL.ELEC,477M,1C	(T)470UF,16V,20%,8x11.5,R-RADIAL	
C112	191.3	15	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C113	207	10.8	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C115	235.5	50.3	2401-000058	C-AL	220uF,20%,100V,GP,12.5x25mm,5m	
C116	206.5	123.5	2401-000029	C-AL	10uF,20%,100V,GP,8x11.5mm,5mm	
C117	226.8	101.5	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C118	223.8	32.3	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C114B	148.3	19.5	2201-000651	C-CERAMIC,DISC	68pF,5%,50V,NPO,8x3,5,TP	
C114G	152.3	19.5	2201-000011	CAP-CERAMIC,470J,1H,NPO	47PF,50V,5%,NPOPPM,NPO,DISC-R	
C114R	156.3	19.5	2201-000651	C-CERAMIC,DISC	68pF,5%,50V,NPO,8x3,5,TP	
C201	15	269.3	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C202	45	299.3	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C203	41.5	296.5	2401-001166	CAP-AL.ELEC,336M,1C	(T)16V 33M	

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
C204	33	294.8	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C205	170	274	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C206	39	265.8	2202-002006	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C207	49.8	254.3	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C209	29	277.8	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C210	40.5	276.5	2201-000011	CAP-CERAMIC,470J,1H,NPO	47PF,50V,5%,NPOPPM,NPO,DISC-R	
C211	40.5	281.5	2201-000011	CAP-CERAMIC,470J,1H,NPO	47PF,50V,5%,NPOPPM,NPO,DISC-R	
C213	130.8	236	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C214	49.3	236.8	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C215	124.8	269	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C216	207.3	215.3	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C218	146	259.5	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C220	67.3	310.3	2301-000011	CAP-MYLAR,102J,2A,5P	(T)100V 102J	
C301	19.5	221.5	2401-000037	CAP-AL.ELEC,477M,1C	(T)470UF,16V,20%,8x11.5,R-RADIAL	
C302	19.5	212.3	2401-000037	CAP-AL.ELEC,477M,1C	(T)470UF,16V,20%,8x11.5,R-RADIAL	
C303	47.3	217.8	2401-000849	CAP-AL.ELEC,227M,1V	(T)35V 220M	
C304	57.3	215.5	2301-000107	CAP-MYLAR,152J,2A,3P	(T)100V 152J	
C305	49	209.5	2305-000004	C-M, POLYESTER	220NF,10%,100V,DIP,12.7X16,5MM	
C306	40.5	205.3	2201-000471	CAP-CERAMIC,331K,1H,Y5P	330PF,50V,10%,10%,Y5P,DISC-RADI	
C307	75	209.3	2301-000017	CAP-MYLAR,333K,2A,5P	(T)100V 333K	
C308	62.3	232.5	2401-000028	CAP-AL.ELEC.106M,1H	(T)50V 10M	
C309	36.3	227.5	2305-000231	CAP-MPETP,105K,1J,5P	(T)63V 105K	
C310	189	285	2201-000017	CAP-CERAMIC,102K,1H,Y5P	1NF,50V,10%,10%,Y5P,DISC-RADIAL	
C311	193	285	2201-000017	CAP-CERAMIC,102K,1H,Y5P	1NF,50V,10%,10%,Y5P,DISC-RADIAL	
C312	30.5	246	2401-000586	C-AL	1uF,20%,50V,BP,6x11mm,5mm,TP	
C401	183	206	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C402	164.3	208.3	2305-000138	C-FILM,MPEF	100nF,10%.63V,7.5x12.5mm,5mm,T	
C403	169	215.3	2401-000660	CAP-AL.ELEC,225M,1H	(T)50V 2.2M	
C404	195.5	213.3	2305-000138	C-FILM,MPEF	100nF,10%,63V,7.5x12.5mm,5mm,T	
C405	188.3	212.5	2301-000010	CAP-MYLAR,104J,2A,5P	(T)100V 104J	
C406	156.8	269	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	
C407	163.3	269	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	
C408	159.5	264	2305-000004	C-M, POLYESTER	220NF,10%,100V,DIP,12.7X16,5MM	
C409	165.8	260	2305-000009	CAP-MPETP,104J,2E,7.5P	(T)250V 104J	
C410	172	252.3	2301-000018	CAP-MYLAR,473J,2A,5P	(T)100V 473J	
C411	176.3	252.3	2301-000107	CAP-MYLAR,152J,2A,3P	(T)100V 152J	
C412	175	235	2303-000119	C-FILM,PPF	10nF,5%,100V	
C413	185.3	243.8	2301-000015	C-FILM,PEF	10nF,5%,100V,7x3.2x7mm,5mm,TP	
C414	185.3	238.8	2301-000012	CAP-MYLAR,222J,2A,5P	(T)100V 222J	
C415	205.5	260	2401-000039	CAP-AL.ELEC,108M.1C	(T)1000UF,16V,20%,10x16,R-RADIAL	
C416	204.3	269.3	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C417	200.5	241.8	2301-000012	CAP-MYLAR,222J,2A,5P	(T)100V 222J	
C418	211.8	241.8	2301-000287	CAP-MYLAR,562J,2A,5P	(T)100V 562J	
C419	229.5	154.3	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C420	225	254.3	2401-000048	CAP-AL.ELEC,476M,1E	(T)25V 47M	
C421	239	261.8	2301-000012	CAP-MYLAR,222J,2A,5P	(T)100V 222J	
C422	236.8	175.8	2401-000876	CAP-AL.ELEC,227M,1H	(T)50V 220M	

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
C423	214.3	139.8	2301-000257	AM CAP-MYLAR,472K,2A,5P	ST 01505-724-472	
C424	117.5	112	2201-000672	CAP-CERAMIC,821K,2H,Y5P	820PF,500V,10%,10%,Y5P,DISC-RAD	
C425	154	112	2306-000007	CAP-MPPF,474J,2E	250V 474J	
C426	184	166.5	2309-000109	C-FILM,MPE-PPF	2.5nF,5%,2.5KV,29x16mm,20mm,TP	⚠
C427	193.8	146.5	2303-000195	CAP-PPF,202J,3C,7.5P	2NF,1.6KV,5%,RE-RADIAL	⚠
C428	193.8	155.5	2303-000122	CAP-PPF,103J,2J,7.5P	(T)630V 103J	
C429	171.5	158	2303-001029	C-FILM,PPF	5.2nF,5%,630V,19x7x13,7.5,TP	
C430	214	203.5	2201-000015	CAP-CERAMIC,561K,2H,Y5P	560PF,500V,10%,10%,Y5P,DISC-RAD	
C431	215.3	176.5	2201-000019	CAP-CERAMIC,103Z,2H	10NF,500V,80-20%,Y5V,RADIAL	
C432	198.8	164.3	2306-000007	CAP-MPPF,474J,2E	250V 474J	
C433	190.8	177.5	2306-001025	C-FILM,MPPF	350nF,5%,400V,26x11.5x18.5,20	
C434	161.5	170.3	2306-000171	C-FILM, MPPF	270nF,5%,250V,21.5x12.5mm,7.5mm	
C435	144.5	195	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C436	137	85	2301-000012	CAP-MYLAR,222J,2A,5P	(T)100V 222J	
C437	123.8	85	2201-000010	CAP-CERAMIC,330J,1H,NPO	33PF,50V,5%,NPOPPM,NPO,DISC-RAD	
C438	126.8	74.5	2401-001012	C-ALUMINUM	3.3UF,20%,50V,BP,16+26.7,7.5mm,T	
C439	214	189	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C440	134	271	2305-001011	C-FILM,MPEF	22nF,5%,100V,3.5x12.5x7.5mm,5m	
C441	199	231.3	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C442	229.5	164.5	2305-000004	C-M, POLYESTER	220NF,10%,100V,DIP,12.7X16,5MM	⚠
C443	213.3	217.5	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
C444	218.3	211.8	2201-000471	CAP-CERAMIC,331K,1H,Y5P	330PF,50V,10%,10%,Y5P,DISC-RADI	
C445	172.8	304.5	2201-000471	CAP-CERAMIC,331K,1H,Y5P	330PF,50V,10%,10%,Y5P,DISC-RADI	
C446	170	278.8	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C447	143	247.3	2401-000027	CAP-AL.ELEC,475M,1H	(T)50V 4.7M	
C448	117.5	101.8	2301-000018	CAP-MYLAR,473J,2A,5P	(T)100V 473J	
C449	229.5	145.8	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C450	171.5	197.8	2301-000010	CAP-MYLAR,104J,2A,5P	(T)100V 104J	
C501	24.5	323.3	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C502	31.3	312.8	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C503	150	38.8	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C504	67.3	205.3	2301-000012	CAP-MYLAR,222J,2A,5P	(T)100V 222J	
C505	65.5	192.5	2301-000021	CAP-MYLAR,683J,2A,5P	(T)100V 683J	
C506	162.3	57.5	2305-001011	C-FILM,MPEF	22nF,5%,100V,3.5x12.5x7.5mm,5m	
C507	150.5	52.3	2401-000046	CAP-AL.ELEC,106M,2E	(T)250V 10M	
C508	98.3	187	2401-000023	CAP-AL.ELEC,105M,1H	(T)50V 1M	
C509	98.8	147.8	2301-000287	CAP-MYLAR,562J,2A,5P	(T)100V 562J	
C510	83	157	2401-001195	CAP-AL.ELEC,336M,1H	(T)50V 33M	
C511	91.8	156.5	2305-001009	C-FILM,MPEF	39nF,5%,250V,13x9x4.5mm,7.5mm	
C513	232.3	280	2305-001011	C-FILM,MPEF	22nF,5%,100V,3.5x12.5x7.5mm,5m	
C601	69.8	26.3	2501-000203	CAP-MPAPER,474K,250VAC	470NF,250VAC,10%,X2,RE-RAD,25.4	
C602	88	74.5	2401-000052	CAP-AL.ELE,227M,2G	(B)220UF,400V,20%,30X35,R-RADIAL	
C603	6.5	71.3	2201-000017	CAP-CERAMIC,102K,1H,Y5P	1NF,50V,10%,10%,Y5P,DISC-RADIAL	
C604	11.5	62.3	2303-000119	C-FILM,PPF	10nF,5%,100V	
C605	44.8	61.5	2301-000010	CAP-MYLAR,104J,2A,5P	(T)100V 104J	
C606	11.5	67	2201-000471	CAP-CERAMIC,331K,1H,Y5P	330PF,50V,10%,10%,Y5P,DISC-RADI	
C607	33.5	72	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	
C608	49.8	95.5	2201-000020	CAP-CERAMIC,103K,3A,Y5P	10NF,1KV,10%,10%,Y5P,DISC-RADIA	
C609	33.5	109.5	2201-000014	CAP-CERAMIC,331K,3A	330PF,1KV,10%,Y5P,DISC-RADIAL	
C610	77.3	94.8	2403-001003	C-TA,DIPPED	47uF,10%,25V,GP,9x14.5,5mm,TP	
C611	86.5	101.3	2201-000024	CAP-CERAMIC,472M,2B	4.7NF,125VAC,20%,Y5V,RADIAL	
C612	92.3	104.3	2201-000024	CAP-CERAMIC,472M,2B	4.7NF,125VAC,20%,Y5V,RADIAL	
C613	39.8	221.3	2401-000037	CAP-AL.ELEC,477M,1C	(T)470UF,16V,20%,8x11.5,R-RADIAL	
C614	11.8	236.3	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C615	15.8	186	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C616	10	178.8	2401-000039	CAP-AL.ELEC,108M.1C	(T)1000UF,16V,20%,10X16,R-RADIAL	
C617	35.5	169.5	2201-000012	CAP-CERAMIC,221K,3A,Y5P	220PF,1KV,10%,10%,Y5P,DISC-RADI	
C618	40	174.5	2201-000012	CAP-CERAMIC,221K,3A,Y5P	220PF,1KV,10%,10%,Y5P,DISC-RADI	
C619	24.5	182.3	2401-001869	C-AL	100uF,20%,100V,GP,13x20mm,5mm	
C620	16.8	160	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL	
C621	146.5	147	2401-000058	C-AL	220uF,20%,100V,GP,12.5x25mm,5m	
C622	101.3	135.8	2401-000151	CAP-AL.ELEC,108M.1E	(T)1000UF,35V,20%,12.5x20,R-RADI	
C623	54.5	182.3	2401-000151	CAP-AL.ELEC,108M.1E	(T)1000UF,35V,20%,12.5x20,R-RADI	
C624	40.5	182.3	2401-000058	C-AL	220uF,20%,100V,GP,12.5x25mm,5m	
C625	110.5	160.8	2401-000025	CAP-AL.ELEC,107M,1C	(T)16V 100M	
C626	67.5	180.3	2401-000039	CAP-AL.ELEC,108M.1C	(T)1000UF,16V,20%,10x16,R-RADIAL	
C627	98.5	53.5	2401-000048	CAP-AL.ELEC,476M,1E	(T)25V 47M	
C628	99.3	175.3	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0	
C629	72.3	100.8	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	
C630	74.3	155.5	2201-000019	CAP-CERAMIC,103Z,2H	10NF,500V,80-20%,Y5V,RADIAL	
C633	16.8	155.3	2301-000011	CAP-MYLAR,102J,2A,5P	(T)100V 102J	
C634	19.8	168.3	2201-000016	CAP-CERAMIC,222K,2H,Y5P	2.2NF,500V,10%,10%,Y5P,DISC-RAD	
C635	22.3	109.5	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3 0	
C639	95	5	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0	
CB04	240.5	68.3	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	
CG04	240.5	62.3	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	
CN61	53.5	65.8	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN62	63.6	65.8	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN63	79.3	53	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN64	86.8	53	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN101	235.8	39	BH39-40359B	CON-BOX HEADER	1R,STRAIGHT,10P,2.5MM	
CN200	144	14	3701-000003	CONNECTRO-D-SUB	15P,3R,FEMAIL,ANGLE,AUF	
CN201	237.3	313.8	3711-001169	CON-BOX HEADER	1R,STRAIGHT,9P,2.5MM	
CN202	8	286.3	3711-003052	CONNECTOR-HEADER	BOX,10P,1R,2.5MM,STRAIGH,SN	
CN301	173	188.5	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN302	165	188.5	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN303	41.5	227.4	3711-001489	CON-NOWALL HEADER	STRAIGHT,3P,1R,2.54MM,6MM	
CN401	191	188.5	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN402	181	188.5	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,2.36mm	
CN501	87	166.5	BH39-40359C	CON-BOX HEADER	1R,STRAIGHT,8P,2.5MM	
CN601	72.5	19.5	3711-000217	CON-WALL HEADER	STRAIGHT,1WALL,3P,3.96	
CN602	101.3	10	3722-000110	CON-MINIATURE JACK	4P,8.6X8X12.7MM	
CR04	240.5	56.3	2401-000028	CAP-AL.ELEC,106M,1H	(T)50V 10M	
D101	169.8	42	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO-	

Loc No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
D102	169.8	34	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D103	169.8	26	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D104	159.3	34.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D105	159.3	31.5	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D106	159.3	28.5	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D107	104	39.5	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D108	126.3	13	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D109	128.8	13	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D110	104	37	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D111	123.8	13	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D112	194.5	48.8	0403-000003	DIODE-ZEN,UZ-8.2BL,DO-35	0.5W,10MA	
D113	194.5	46.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D114	118.5	66.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D115	105.8	215.8	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D201	23.5	261.5	0403-000007	DIODE-ZEN,UZ-6.2BM,DO-35	0.5W,10MA	
D202	125.3	249.8	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D203	152.3	274	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D204	157.8	251.8	0403-000007	DIODE-ZEN,UZ-6.2BM,DO-35	0.5W,10MA	⚠
D205	15.8	284	0403-000003	DIODE-ZEN,UZ-8.2BL,DO-35	0.5W,10MA	
D301	30.5	201.5	0402-000128	DIODE-REC,1N4002,DO-41	70V,1A,1.1V,1A,2000NS,0.5A	
D302	43.3	224	0403-000366	DIODE-ZENER,UZ7.5BM,D035	0.5W,7.5V,10MA	
D402	239	254.3	0402-000128	DIODE-REC,1N4002,DO-41	70V,1A,1.1V,1A,2000NS,0.5A	
D403	124	116	0402-000015	DIODE-REC,1R5NU41,	1.5A,3V,2A,100USNS,1A	
D404	164.3	138.4	0402-001046	DIODE-RECTIFIER	FMQ-G2FLS,1500vV 10A,TO-220F,ST	
D405	153.5	144.5	0402-000016	DIODE-REC,UF5404,DO201AD	1V,3A,50NS	
D406	128	199.5	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	
D407	221	188.5	0402-000009	DIODE-REC,RGP15J,DO-15	420V,1.5A,1.3V,1.5A,250NS,0.5A	
D408	227	177.5	0402-000009	DIODE-REC,RGP15J,DO-15	420V,1.5A,1.3V,1.5A,250NS,0.5A	
D409	203.3	199.5	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	
D410	199	201	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	
D411	196.3	222	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	⚠
D412	153.5	150.3	0402-000280	DIODE-REC,CGJ-1,-	880V,1.1V,1A,750NS,0.002A	
D413	223	168.3	0403-000006	DIODE-ZEN,UZ-160,DO-35	0.5W,5MA	⚠
D414	232	214.8	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	⚠
D415	137.8	277.8	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D416	192.8	292.5	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D417	207.8	237.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D418	129.3	280	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D419	165	199.5	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D501	30	316	0403-000366	DIODE-ZENER,UZ7.5BM,D035	0.5W,7.5V,10MA	
D502	128.5	49	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	
D503	139.5	41	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D504	83	309.5	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA	
D505	165.8	292	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D506	163.5	289.5	0403-000005	DIODE-ZEN,UZ-5.1B,DO-35	0.5W,10MA	
D507	155.5	281	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D508	142.3	57.3	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	

Loc. No	Coordinates (X,Y)		New Code No.	Description	Specification	Remark
D510	106	218.8	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D601	65.5	60	0402-000008	DIODE-REC,1N5399GP,DO-15	1000V,1.4V,1.5A,2US	
D602	54.5	55.8	0402-000008	DIODE-REC,1N5399GP,DO-15	1000V,1.4V,1.5A,2US	
D603	56.8	50.3	0402-000008	DIODE-REC,1N5399GP,DO-15	1000V,1.4V,1.5A,2US	
D604	62	39.3	0402-000008	DIODE-REC,1N5399GP,DO-15	1000V,1.4V,1.5A,2US	
D605	72.5	85	0403-000372	DIODE-ZEN,ZPD9.1,DO-41	0.5W,8.1V,5MA	
D606	5.8	85	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D607	39.8	68.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D608	26	65.5	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D609	16.3	85	0403-000415	DIODE-ZENER	ZPD18,18V,16.8-19.1V,500mW,DO	
D610	72.5	80	0403-000337	DIODE-ZEN,UZ-24BH,DO-35	0.5W,5MA	
D611	88	95.5	0403-000337	DIODE-ZEN,UZ-24BH,DO-35	0.5W,5MA	
D612	35.5	88.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO	
D613	29.3	100.8	0402-000017	DIODE-RECTIFIER	RGP02-12,1200V,0.5A,DO-204AL	
D614	54.5	98.5	0402-000017	DIODE-RECTIFIER	RGP02-12,1200V,0.5A,DO-204AL	
D615	54.5	102.3	0402-000012	AM DIODE-REC,UF4007,DO-41	ST 02169-218-100	
D616	26.8	165	0402-000007	DIODE-REC,1N4937,DO-41	420V,1A,1.2V,1A,200NS,1A	
D617	30.8	150	0402-000015	DIODE-REC,1R5NU41	1.5A,3V,2A,100USNS,1A	
D618	45	150	0402-000328	DIODE-RECTIFIER	31DF6,600V,3A,DO-201AD	
D620	50.5	154.5	0402-000014	DIODE-REC,RG2	1.2A,1.8V,1.5A,100NS,0.1A	
D621	55.5	154.5	0402-000014	DIODE-REC,RG2	1.2A,1.8V,1.5A,100NS,0.1A	
D624	61.5	149.3	0402-000014	DIODE-REC,RG2	1.2A,1.8V,1.5A,100NS,0.1A	
D625	110.5	23.5	0403-000289	DIODE-ZEN,MTZ10,DO-34	0.5W,20MA	
EY1	35.1	30.1	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY2	55.7	30.1	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY3	13	24.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY4	22	24.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY5	36.1	8.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY6	13	36.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY7	54.7	8.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY8	17.5	30.6	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY9	22	36.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY10	17.5	42.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY11	144.5	45.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY12	223.6	49.9	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY13	88	74.5	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY14	143	76	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY15	174.8	71.6	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY16	199.8	71.5	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY17	88	84.5	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY18	158.5	86	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY19	199.8	82.5	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY20	158.5	97.3	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY21	187.5	97.3	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY22	7.7	119.5	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY23	38.5	117	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY24	68.5	117	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
EY25	81.3	119.5	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY26	126.3	132.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY27	137.3	132.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY28	143	124	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY29	228.5	127.5	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY30	53.5	142	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY33	197.9	139.5	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY34	126	150.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY35	126	161.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY36	219	203	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY37	230	203	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY38	12	210.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY39	84.8	210.8	6042-000001	EYELET	EYELET 2.2 HOLE 3.0 PAD 5.0	
EY40	235.8	233.2	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
EY41	225.8	245.8	6042-000002	EYELET	EYELET 1.5 HOLE 2.2 PAD 4.0	
F601	5.5	17.5	3601-000004	FUSE-CERA TUB,3.15A,250V	TIME-LAG,5X20MM,NON,CERAMIC TUB	⚠
FH601	26.5	17.5	3602-000001	FUSE-CLIP,5.2X20,30MOHM	800GF,400-800GF	
GND	24.8	7.8	BH39-40305X	CBF-HARNESS	100MM,RED,1007,AWG22	
GND1	116.5	6.5	BH39-40027A	CBF-HARNESS	1P,200MM,BLK,UL1015,#18,YFH800	
GND3	235.3	9.3	BH39-40318T	CBF-HARNESS	1P,60MM,BLK,1015,AWG18,SIN-21T	
GND4	62	244.5	BH39-40305X	CBF-HARNESS	100MM,RED,1007,AWG22,	
GND5	11.8	191.5	BH39-40318U	CBF-HARNESS	1P,100MM,BLK,1015,AWG18,SIN-21	
GND6	225.5	60.8	BH39-40318U	CBF-HARNESS	1P,100MM,BLK,1015,AWG18,SIN-21	
HS200	148.5	0	BH70-10345A	H/SINK-IMP	HEAT-SINK,IMP,SHILED-DSUB	
HS301	48.4	195.8	BH62-30321B	COM,HEATSINK-V,IC	A1050S,T3,CQA4157	⚡
HS409	229	136	BH62-30336B	HEAT_SINK-FBT	A1050S,T3,CQA4157	
HS413	140.5	171.8	BH62-30015A	HEAT-SINK(TR)	H/SINK-TR	
HS601	44.5	104.5	BH62-30014B	HEAT_SINK,POWER	A1050S,T2,CQA4147	
HS604	98.3	194	BH62-30024A	COM,H/S-TR	A1050S,T1.0,CFX1577	
IC101	198.3	40	1204-000014	IC-CONSUMER/CIRCUIT	13281B,SIP,20P,TRIPLE,CMOS,PL	⚡
IC102	78.8	254.8	1103-001003	IC-EEPROM	24LC41,512X8BIT,DIP,8P,300MIL	
IC201	56.5	294.6	0902-001008	IC-MICRO-CONTROLL	DIP,42,68HC705BD7	⚡
IC202	33	300.8	1203-000495	IC-LIN,7045,REGULATOR	TO-92,3,+4.5V	
IC301	52.1	205.1	1204-000013	IC-CONSUMER/CIRCUIT	9302,TO-220,7P,15V/30V,VERTIC	⚡
IC302	21	228.8	1201-001034	IC-AMPLIFIER	L272M,DIP,8P,28V,1A,1W,STICK	
IC401	198.3	247.3	1204-001004	IC-CONSUMER,TDA4858	dip32p,tda4858	⚡
IC402	169.5	210.3	1201-000420	IC-LIN,358,OP AMP	DIP,8,DUAL	⚡
IC601	18.8	78.8	1203-000004	IC-LIN,3844,PWM CONTROL	DIP,8	⚡
IC602	32.8	216	1203-000001	IC-LIN,7805,REGULATOR	TO-220,3,5V	
IC603	101.9	195.5	1203-000165	IC-LIN,KA78R12,REGULATOR	TO-220,4,5V	
IC604	11.8	150.3	1203-000002	IC-LIN,431,REGULATOR	TO-92,3,36V(T)-SIMPLE	
IS601	36.1	8.8	2901-000002	FIL-LPF,EMI,250V,3A	250V,3A,2MHZ(30DB)	⚠
L401	126	150.8	BH27-20343K	COIL-CHOKE	250UH,10%,DR14*20,BULK	
L402	137.3	132.8	BH27-20343L	COIL-CHOKE	170UH,10%,DR14*20,BULK	
L403	230	203	BH27-20342C	COIL	7.5UH,25%,DR14X15,BULK	
L404	219.3	272.8	2701-000154	INDUCTOR-AXIAL,220UH	FIX,220UH,10%,4X10.5MM	
L405	168.8	122.3	BH27-20342U	COIL-CHOKE	7.1MH,10%,DR8*11,BULK	

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	Rem...
L601	35.3	41.8	BH27-20023A	COIL	1.00HM,0.25,EE2229,BULK,35.1MM	⚠
OP201	10.3	318	0601-000463	LED,G/Y,ROUND,4.8MM	4.8MM,N,100/60MW,5V	
OP601	27.5	137.5	0604-001018	PHOTO-COUPLE	DAR-TR,63-125%,200mW,DIP-4,RST	⚠
PR601	77.5	21.8	1404-000002	THERMISTOR-NTC	9OHM,20%,	
Q101	220.3	36.3	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q102	88.8	254.8	0501-000010	TR-NPN,KSC1008,TO-92,ECB	0.8W,80V,60V,8V,0.7A	
Q103	183	47.3	0501-000010	TR-NPN,KSC1008,TO-92,ECB	0.8W,80V,60V,8V,0.7A	
Q201	160.3	255	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	⚠
Q202	21.5	297.8	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q203	16.3	297.8	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q301	57.3	226.8	0501-000412	TR-NPN,MPSA42,TO-92,EBC	0.625W,300V,300V,6V,0.5A	
Q401	159.3	208.3	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q402	191	203.5	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q403	217.3	226.8	0501-000369	TR-NPN,KSC2331,TO-92L,ECB		
Q404	223.5	261.8	0501-000369	TR-NPN,KSC2331,TO-92L,ECB		
Q405	129.8	90	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q406	129.8	95.5	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q407	140.8	102.3	0503-000001	TR-DARLINGTON	KSE800,NPN,60V,60V,4A,40W,TO-126	
Q408	129.8	261.3	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q409	203.3	139.5	0502-000009	TR-POWER	KSC5386,NPN,1055V,1500V,7A,50W	
Q410	198.8	204.3	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q411	205	189	0505-000011	FET-N,IRF630,TO-220,GDS	75W,200V,9A	
Q412	153	190	0505-000011	FET-N,IRF630,TO-220,GDS	75W,200V,9A	
Q413	137.8	167.5	0505-000011	FET-N,IRF630,TO-220,GDS	75W,200V,9A	
Q414	128.3	193.8	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q415	230.5	219	0501-000492	TR-NPN,MPS3646,TO-92,EBC	40V,15V,5V,0.3A	
Q416	124.3	182.5	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q417	124.3	188	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q418	168.5	306.5	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q501	99.8	163.5	0501-000369	TR-NPN,KSC2331,TO-92L,ECB		
Q502	41.5	314.8	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q503	125.5	39.8	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q504	125.5	31.5	0501-000303	TR-PNP,KSA733,TO-92,EBC	0.25W,-60V,-50V,-5V,-0.15A	
Q505	168.8	287.5	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q506	182.8	288.3	0501-000143	TR-SMALL SIGNAL	2N6520,PNP,-350V,-350V,-500mA	
Q507	152.5	287.3	0501-000143	TR-SMALL SIGNAL	2N6520,PNP,-350V,-350V,-500mA	
Q601	42	101.5	0505-000173	FET-SILICON	SSP5N90,N,900V,5A,2.5ohm,150W	
Q602	6.5	88.3	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q603	6.5	78	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q604	19.5	249.8	0501-000122	TR-NPN,2N3904,TO-92,EBC	0.625W,60V,40V,6V,0.2A	
Q605	78.5	168.8	0502-000249	TR-PNP,KSB772,TO-126,ECB	1W,-40V,-30V,-5V,-3A	
Q606	17	279	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q607	104.3	47.5	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q611	117.3	13	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
Q612	109	20	0502-000249	TR-PNP,KSB772,TO-126,ECB	1W,-40V,-30V,-5V,-3A	
R101	105.3	238.5	2001-000029	REF-CF,100,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	

Loc. No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
R102	105.3	264.8	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R104	105.3	258.3	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R105	96.3	262	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R106	75	262	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	⚠
R108	78.3	225	2001-000027	R-CARBON	100ohm,5%,1/4W,AA,TP,2.4x6.4mm	
R109	75	276.3	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R101B	226.8	89.5	2001-000079	REF-CF,56K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R101G	226.8	86.8	2001-000079	REF-CF,56K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R101R	226.8	81.8	2001-000079	REF-CF,56K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R102B	197.3	51.3	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R102G	197.3	48.8	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R102R	197.3	46.3	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R103B	169.8	20.5	2004-001235	REF-MF,75,1%,1/4W	250V,-100 TO +100PPM/C,R-AXIAL	
R103G	169.8	28.5	2004-001235	REF-MF,75,1%,1/4W	250V,-100 TO +100PPM/C,R-AXIAL	
R103R	169.8	36.5	2004-001235	REF-MF,75,1%,1/4W	250V,-100 TO +100PPM/C,R-AXIAL	
R104B	169.8	23.5	2001-000025	REF-CF,75,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R104G	169.8	31.5	2001-000025	REF-CF,75,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R104R	169.8	39.5	2001-000025	REF-CF,75,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R105B	223.8	27.5	2001-000301	REF-CF,10,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R105G	223.8	22.5	2001-000301	REF-CF,10,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R105R	209.8	34.8	2001-000301	REF-CF,10,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R106B	231.8	25	2001-000652	REF-CF,330,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R106G	231.8	20	2001-000652	REF-CF,330,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R106R	231.8	16.5	2001-000652	REF-CF,330,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R111	231.8	38.8	2001-000048	REF-CF,2.2K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R112	209	38.8	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R113	223.8	41.3	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R114	199.3	59.5	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R115	180	52.3	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R116	165	48.8	2001-000034	REF-CF,220,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R117	115	34.5	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R118	205	57	2001-000029	REF-CF,100,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R119	130.3	26.3	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R201	11.5	256.8	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R202	15.5	266.5	2001-000059	REF-CF,5.6K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R203	15.5	264	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R204	45	288	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R205	95.8	236	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R206	99.5	300	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R207	102.8	300	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R208	45	296.5	2001-000053	REF-CF,3.3K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R209	45	290.5	2001-000108	REF-CF,18K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R210	53	293	2001-000856	REF-CF,560,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R211	182.5	229	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R212	48	282.5	2001-000097	REF-CF,1M,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R213	41.8	272	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R214	41.8	269.5	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	

Loc No	Coordinates (X Y)		New Code No.	Description	Specification	Remarks
R215	100.3	223.5	2001-000048	REF-CF,2.2K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R216	28.5	272.3	2001-000075	REF-CF,39K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R217	83	293.3	2001-000923	REF-CF,680,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R218	75	290.8	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R219	75	288.3	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R220	75	285.8	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R221	75	283.3	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R222	75	280.8	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R223	75	268.3	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R224	75	265.8	2001-000868	REF-CF,56,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R225	152.3	271.8	2001-000053	REF-CF,3.3K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R228	149.8	259.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	⚠
R229	155.3	251.8	2001-000075	REF-CF,39K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R230	155.5	284	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R231	88.3	276.3	2001-000029	REF-CF,100,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R232	14.3	272.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R233	18.3	294	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R234	20.8	295	2001-000036	REF-CF,330,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R235	23.8	295	2001-000488	REF-CF,200,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R236	13.3	294	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R237	221.3	305.5	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R238	221.3	303	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R239	221.3	300.5	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R240	221.3	298	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R241	221.3	295.5	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R242	221.3	293	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R243	221.3	290.5	2001-000035	REF-CF,220,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R301	41.5	209.5	2001-000245	REF-CF,1.5,5%,1/2W	350V,-350 TO +350PPM/C,R-AXIAL	
R302	45.3	213.3	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R303	63.5	212.5	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R304	80.3	207		REF-MO,1,5%,2W(S	500V,-200 TO +200PPM/C,R-AXIAL	
R305	66	215.5	2001-000071	REF-CF,22K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R306	54.5	232.5	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R307	54.5	227.5	2001-000644	REF-CF,330K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R308	54.5	230	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R309	26.5	239.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R310	16	228.8	2001-000678	REF-CF,36K,5%,1/6W	150V,-1300 TO +350PPM/C,1.9X3.2	
R311	16	239.3	2001-001014	REF-CF,9.1K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R312	18.5	236.8	2001-000086	REF-CF 100K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R313	31.5	236.3	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R314	36.5	235.3	2001-000022	REF-CF,33,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R315	55.5	209.3	2001-000625	REF-CF,330,5%,1/2W	350V,-350 TO +350PPM/C,R-AXIAL	
R316	68.8	221	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R317	55.5	221	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R318	68.8	218.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R319	55.5	218.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R320	68.8	213.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	

Loc No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remark
R321	68.8	216	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R322	98.3	236	2001-000108	REF-CF,18K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R323	33	224.5	2001-000040	REF-CF,470,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R401	107.3	224.8	2001-000496	REF-CF,20K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R402	107.3	227.8	2001-000019	REF-CF,10,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R403	165	203	2001-000059	REF-CF,5.6K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R404	156	215.8	2001-000088	REF-CF,120K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R405	153.3	211.8	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R406	176.5	214	2001-000367	REF-CF,15K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R407	127.8	241	2001-000086	REF-CF,100K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R408	187.8	206	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R409	179.8	217	2001-000089	REF-CF,150K,5%,1/6W	150V,-1300 TO + 350PPM/C,R-AXIA	
R410	107.3	247.3	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R411	174.3	275.5	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R412	174.3	278	2001-000562	REF-CF,27K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R413	188.3	277.3	2001-000029	REF-CF,100,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R414	201.3	304.5	2001-000029	REF-CF,100,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R415	184.3	273	2001-000083	REF-CF,82K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R416	184.3	270.5	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R417	184.3	268	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R418	184.3	262.8	2004-000580	REF-MF,22K,1%,1/4W	250V,-100 TO +100PPM/C,R-AXIAL	
R419	180.3	255.5	2001-000562	REF-CF,27K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R420	179.8	252.5	2004-004006	R-METAL	2.3KOHM,1%,1/4W,AA,TP,2.4X6.4mm	
R421	176	243.3	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R422	179	239	2004-000113	R-METAL	1.15Kohm,1%,1/4W,AA,TP,2.4x6.4	
R423	177	231.5	2001-000074	REF-CF,33K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R424	190.5	231.5	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R425	182.5	234	2001-000075	REF-CF,39K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R426	190.5	226.5	2001-000562	REF-CF,27K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R427	212.3	266.5	2001-000079	REF-CF,56K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R428	206.8	264	2001-000104	REF-CF,1.2K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R429	194	230.3	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R430	204.3	249	2001-000097	REF-CF,1M,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R431	214.8	250.3	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	⚠
R432	231	158.3	2001-000040	REF-CF,470,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	⚠
R433	215.5	233.3	2001-001153	REF-CF,47,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R434	225	272.8	2003-000590	REF-MO,22,5%,2W(S	500V,-200 TO +200PPM/C,R-AXIAL	
R435	239	257.8	2001-001107	REF-CF,220,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R436	240	269	2001-000856	REF-CF,560,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R437	240	266.5	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R438	219.3	276.3	2001-000074	REF-CF,33K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R439	198.3	279.8	2001-000095	REF-CF,680K,5%,1/6W	150V,-1300 TO +350PPM/R-AXIAL	
R440	211.3	230.3	2001-000856	REF-CF,560,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R441	107.3	282.3	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R442	109.8	178.8	2001-001099	REF-CF,2.7K,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R443	106.8	200.3	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R444	203.3	143.8	2001-000023	REF-CF,47,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	⚠

Loc No	Coordinates (X,Y)		New Code No.	Description	Specification	Rem
R445	137	159.8	2003-000568	REF-MO,2.7,5%,3W(S	350V,-350 TO +350PPM/C,R-AXIAL	⚠
R446	117.5	121.5	2003-000386	REF-MO,910,5%,2W	350V,-200 TO +200PPM/C,R-AXIAL	
R447	162.5	109.5		REF-MO,82,5%,3W(S	350V,-350 TO +350PPM/C,R-AXIAL	
R448	224	177.5	2001-000020	REF-CF,22,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R449	203.3	195.8		REF-MO,100,5%,1W(S	350V,-200 TO +200PPM/C,R-AXIAL	
R450	149	195	2001-000076	REF-CF,47K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R451	106.8	203.8	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R452	123.5	265	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R453	107.3	88.3	2001-000045	REF-CF,1.8K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R454	129.5	100	2001-000089	REF-CF,150K,5%,1/6W	150V,-1300 TO + 350PPM/C,R-AXIA	
R455	190.3	304.5	2001-000048	REF-CF,2.2K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R456	138.3	90	2001-000046	REF-CF,1.8K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R457	129.5	105.8	2001-000765	R-CARBON	43Kohm,5%,1/6W,AA,TP,1.8x3.2mm	
R458	202.3	215.3	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R459	218.3	244.3	2001-000048	REF-CF,2.2K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R460	209.8	190	2001-000076	REF-CF,47K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R461	223	150.5	2001-000057	REF-CF,5.1K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	⚠
R462	125.3	233.5	2001-000075	REF-CF,39K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R463	196.3	227.5	2001-000877	REF-CF,6.8K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	⚠
R464	196.3	225	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R465	204.8	234.3	2001-000071	REF-CF,22K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R466	213.3	220.3	2001-000053	REF-CF,3.3K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R467	221	211.8	2001-000053	REF-CF,3.3K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R468	221.3	214.8	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R469	231	160.8	2001-000048	REF-CF,2.2K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R470	231	141	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R471	158	303.5	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R472	235.3	219.8	2001-000015	R-CARBON(S)	0.5OHM,5%,1/2W,AA,TP,2.4X6.4mm	
R473	125.5	98	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R474	131.8	290.5	2001-000224	R-CARBON	1.2Mohm,5%,1/6W,AA,TP,1.8x3.2m	
R475	149.5	243.3	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R476	124.5	168.5	2001-000110	REF-CF,10,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R477	217.8	100.5	2003-000756	REF-MO,6.8K,5%,3W	500V,-200 TO +200PPM/C,R-AXIAL	
R478	131.8	288.3	2001-000988	REF-CF,820K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R479	134.8	298.5	2001-000224	R-CARBON	1.2Mohm,5%,1/6W,AA,TP,1.8x3.2m	
R501	43.3	309.5	2001-000073	R-CARBON	33Kohm,5%,1/4W,AA,TP,2.4x6.4mm	
R502	48	323.5	2001-000105	REF-CF,1.5K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R503	139.5	43.8	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R504	136.5	32.3	2001-000057	REF-CF,5.1K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R505	128.5	35	2001-000113	REF-CF,18K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R506	128.5	37.5	2001-000046	REF-CF,1.8K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R507	193.5	62.3	2001-000068	REF-CF,12K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R508	187.5	295.5	2001-000105	REF-CF,1.5K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R509	184.5	292.8	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R510	155.5	292	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R511	155.5	286.8	2001-000065	REF-CF,10K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	

Loc No.	Coordinates (X,Y)		New Code No.	Description	Specification	Remarks
R512	148.5	292.3	2001-001131	R-CARBON(S)	33Kohm,5%,1/2W,AA,TP,2.4x6.4mm	
R513	80.3	309.5	2001-000546	REF-CF,270K,5%,1/4W	250V,-1000 TO -500PPM/C,R-AXIAL	
R514	74.8	323.5	2001-000071	REF-CF,22K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R515	142.3	53.3	2001-000431	R-CARBON	1Mohm,5%,1/2W,AA,TP,3.3x9mm	
R516	126.3	65	2001-000107	R-CARBON(S)	150Kohm,5%,1/2W,AA,TP,2.4x6.4m	
R517	142.3	61	2008-000106	REF-FUSIBLE,0.56,5%,1/2W	-350 TO +350PPM/C,R-AXIAL	
R518	94.3	201	2001-000029	REF-CF,100,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R519	104.5	155.8	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R520	102	147.8	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R521	58.5	236	2001-000053	REF-CF,3.3K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R522	77.3	154.3	2001-000074	REF-CF,33K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R523	87.8	152.3	2001-000072	REF-CF,22K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R524	95.5	147.8	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R525	79.8	199.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R526	107	147.8	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R527	145.5	292.3	2001-000071	REF-CF,22K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R601	29.8	54.9	2002-000136	REF-CC,330K,10%,1/2W	350V,R-AXIAL	
R602	74	55.5	2001-000269	REF-CF,100K,5%,1/2W	350V,-600 TO -150PPM/C,R-AXIAL	
R603	60.8	72.8	2001-000505	REF-CF,220K,5%,1/2W	350V,-600 TO -150PPM/C,R-AXIAL	
R604	64.5	82.5	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R605	72.5	87.5	2001-000067	REF-CF,10K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R606	29.3	88	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R607	5.8	75	2001-000836	REF-CF,51K,5%,1/6W	150V,-1300 TO +350PPM/C,1.9X3.2	
R608	28.8	65.5	2001-000022	REF-CF,33,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R609	18	62.5	2001-000525	REF-CF,22,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R610	18	68	2001-000889	REF-CF,6.8K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R612	16.8	82	2001-000045	REF-CF,1.8K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R614	50.8	88.3		REF-MO,100K,5%,1W(S	350V,-200 TO +200PPM/C,R-AXIAL	
R615	56.3	73.3		REF-MO,100K,5%,1W(S	350V,-200 TO +200PPM/C,R-AXIAL	
R616	38.3	75.3	2001-000018	REF-CF,6.8,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R617	41.3	88.3	2001-000084	REF-CF,100K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R618	20.3	95.8	2001-000042	REF-CF,1K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R619	44.5	88.3	2005-000165	R-WIRE WOUND,NON	0.22ohm,1%,2W,AA,BK,4x12mm	
R620	32.8	92.5		REF-MO,8.2K,5%,3W(S	350V,-350 TO +350PPM/C,R-AXIAL	
R621	68.8	73.5		REF-MO,68K,5%,3W(S	500V,-200 TO +200PPM/C,R-AXIAL	
R622	32.8	99		REF-MO,8.2K,5%,3W(S	350V,-350 TO +350PPM/C,R-AXIAL	
R623	42.3	92.3	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R624	35.5	150	2003-000471	REF-MO,10,5%,2W(S	350V,-350 TO +350PPM/C,R-AXIAL	
R625	91.3	169	2003-000455	REF-MO,100,5%,2W(S	500V,-200 TO +200PPM/C,R-AXIAL	
R626	40	150	2003-000471	REF-MO,10,5%,2W(S	350V,-350 TO +350PPM/C,R-AXIAL	
R627	102.3	203.5	2001-000988	REF-CF,820K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R628	60.3	174.3	2008-000102	REF-FUSIBLE,0.22,5%,1W	-350 TO +350PPM/C,R-AXIAL	
R629	79.3	176.5	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R630	16	259	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R631	11.8	272.5	2001-00004?	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R632	16	256.5	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R633	115.5	57	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	

Loc No	Coordinates (X Y)		New Code No.	Description	Specification	Remarks
R641	23.5	175.8	2001-000060	REF-CF,6.8K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R642	19.8	140	2001-000105	REF-CF,1.5K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R643	19.5	124.8	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R644	23.5	172.8	2001-001139	REF-CF,39K,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	⚠
R645	22.5	163.8	2001-000045	REF-CF,1.8K,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	⚠
R646	23	140	2001-000111	REF-CF,150,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
R648	22.3	124.8	2001-000084	REF-CF,100K,5%,1/4W	250V,-600 TO -150PPM/C,R-AXIAL	
R650	111.3	21	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R651	113.8	13	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
R652	78	159.5	2001-001115	REF-CF,27K,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
R655	117.5	24	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
RB15	221.3	110	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
RG15	226.3	110	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
RL601	99	41.5	3501-000136	RELAY-MINIATURE	12V/360mW,5A,1FormA,10mS,10mS	
RM101	35.8	279	2011-001060	R-NETWORK	47Kohm,5%,1/8W,A,SIP,11P,BK	
RM102	91.3	294	2011-001060	R-NETWORK	47Kohm,5%,1/8W,A,SIP,11P,BK	
RM103	231.5	293.8	2011-001060	R-NETWORK	47Kohm,5%,1/8W,A,SIP,11P,BK	
RR15	223.8	110	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
SW401	232.8	196.3	3406-000002	SWITCH-TOGGLE,SP3T	ON-ON-ON,STRAIGHT	
SW601	22	24.8	3403-000291	SWITCH-KEY,DPST	250V,80A,DPST,Y,LUG	
SW602	17.5	30.6	3403-000190	SWITCH-KEY,SPST	250V,5A,SPST,Y,ANGLE	
T401	235.8	245.6	BH26-30337A	TRANS-HOR.DRIVE	9.4MH,6P,EE2017,SB-5S,9.4MH/19	☢
T402	218.3	149.3	BH26-30337B	TRANS-FOCUS	1.2MH/500MH,7P,EE-1916,PL-3,PM	⚠
T501	173	86	BH26-10334R	TRANS-FBT	1.15mH,11P,13PI,FERRITE,FS	⚠
T601	38.5	117	BH26-20335Q	TRANS-POWER	425UH,16P,EER3541,PL-3,PM-2.6	⚠
TH601	79.3	53	1404-001020	THERMISTOR-NTC	8ohm,15%,17mW/C,BK	
VR101	235.5	78.5	2103-000007	RES-VAR,SF-ROUND	50KOHM,30%,0.1W,SIDE	
VR102	235.5	97.5	2103-000007	RES-VAR,SF-ROUND	50KOHM,30%,0.1W,SIDE	
VR103	235.5	107.5	2103-000007	RES-VAR,SF-ROUND	50KOHM,30%,0.1W,SIDE	
VR401	236	157.3	2103-000006	RES-VAR,SF-ROUND	500OHM,30%,0.1W,TOP,220	⚠
VR502	236	147.7	2103-000172	RES-VAR,SF-ROUND	10KOHM,30%,0.1W,SIDE	
VR601	10.5	166.8	2103-000006	RES-VAR,SF-ROUND	500OHM,30%,0.1W,TOP,220	⚠
VRB02	235	137.5	2103-000007	RES-VAR,SF-ROUND	50KOHM,30%,0.1W,SIDE	
VRG02	235	127.5	2103-000007	RES-VAR,SF-ROUND	50KOHM,30%,0.1W,SIDE	
VRR02	235	117.5	2103-000007	RES-VAR,SF-ROUND	50KOHM,30%,0.1W,SIDE	
X201	51.8	281.5	2801-003278	CRYSTAL-UNIT	4MHz,30ppm,28-AAM,20pF,100ohm	

Loc. No	Coordinates (X Y)		New Code No.	Description	Specification
BD01	110	37.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM
BD02	95	50.8	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM
BD03	108.5	61.3	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM
BD04	99	41.5	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM
BD05	73.3	59.8	3301-000011	MAG-CORE,FERRITE,BEAD	1.2UH,3.5_5.7MM,10 OHM
C03	91.5	39.8	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0
C04	92.3	67.3	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
C06	12.3	24.5	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0
C07	104.5	33	2401-000050	CAP-AL.ELEC,106M,1C	(T)10UF,16V,20%,R-RADIAL,GP,5MM
C08	100	33	2202-002009	C-CERAMIC,MLC-AXIAL	100nF,+80-20%,50V,Y5V,2.3X3.0
C09	96	33	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
C10	90	33	2401-000029	CAP-AL.ELEC,106M,2A	(T)100V 10M
C11	20.3	42.3	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
C12	104.3	72.3	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
C13	98.3	72.3	2401-000029	CAP-AL.ELEC,106M,2A	(T)100V 10M
C14	78	64	2201-000022	C-CERAMIC,DISC	2.7nF,0.1,2KV,Y5P,18.5x6,10,BK
C15	12.3	70.8	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0
C16	25.8	47.8	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
C17	78.3	20.5	2202-002008	C-CERAMIC,MLC-AXIAL	10nF,+80-20%,50V,Y5V,2.3X3.0
C18	59.3	71.8	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
CB01	37.3	40.5	2305-000009	CAP-MPETP,104J,2E,7.5P	(T)250V 104J
CB02	98.8	18.8	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
CG01	37.3	66.8	2305-000009	CAP-MPETP,104J,2E,7.5P	(T)250V 104J
CG02	104.5	18.8	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
CN01	89.3	7.5	3711-003052	CONNECTOR-HEADER	BOX,10P,1R,2.5mm,STRAGHT,SN
CN02	115.3	29.5	3711-003051	CONNECTOR-HEADER	BOX,8P,1R,2.5mm,STRAGHT,SN
CR01	37.3	54.5	2305-000009	CAP-MPETP,104J,2E,7.5P	(T)250V 104J
CR02	112.5	18.5	2201-000019	CAP-CERAMIC,103Z,2H,DISC	10NF,500V,80-20%,Y5V,RADIAL
CRT1	59.3	22.5	BH03-10301N	CRT,COLOR,15	M36KUT23XX02(F)
D04	85.3	39.8	0402-000007	DIODE-RECTIFIER	1N4937GP,600V,1A,DO-41
DB01	28.3	52	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA
DB02	15.3	55.3	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA
DB03	28.8	29.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO-
DG01	25.8	70.8	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA
DG02	28.3	59.8	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA
DG03	49	60.5	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO-
DR01	20.3	70.8	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA
DR02	17.8	62.8	0401-000006	DIODE-SIG,BAV21,DO-35	250V,250MA,1V,100MA
DR03	41.3	45.3	0401-000005	DIODE-SWITCHING	1N4148,75V,150mA,500mW,4nS,DO-
GT1	116.3	63	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,-,2.36mm
GT2	116.3	53	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,-,2.36mm
GT4	41	4	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,-,2.36mm
GT6	51	4	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,-,2.36mm
GT7	83.8	64.3	3712-000338	CONNECTOR-TERMINAL	PIN,MALE,-,2.36mm
HS601	16	40	BH62-30395X	HEAT_SINK_VIDEO	EXTRA, CGX1607
IC01	7.3	48.5	1204-000010	IC-CHANNEL SELECTOR	LM2406,TO-220,11P,PLASTIC,85
LB01	35	33.3	2701-001011	INDUCTOR-AXIAL	220nH,10%,4.2x9.8mm

Loc. No.	[illegible]	[illegible]	New Code No.	Description	Specification	
LG01	42.8	59.5	2701-001011	INDUCTOR-AXIAL	220nH,10%,4.2x9.8mm	
LR01	45.3	41	2701-001011	INDUCTOR-AXIAL	220nH,10%,4.2x9.8mm	
Q1	104.5	61.3	0501-000277	TR-PNP,2SA1013-Y	0.9W,-160V,-160V,-6V,-1A	
Q2	99.5	49.8	0501-000586	TR-NPN,KSC945,TO-92,EBC	0.25W,60V,50V,5V,0.15A	
QB01	86.8	18.3	0501-000138	TR-SMALL SIGNAL	2N5401,PNP,625mW,TO-92,TP,60-2	
QG01	86.8	13.5	0501-000138	TR-SMALL SIGNAL	2N5401,PNP,625mW,TO-92,TP,60-2	
QR01	74.5	5.8	0501-000138	TR-SMALL SIGNAL	2N5401,PNP,625mW,TO-92,TP,60-2	
R7	99	47	2001-000056	REF-CF,4.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R8	107	56	2001-000077	REF-CF,47K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
R9	96	53.5	2001-000076	R-CARBON	47Kohm,5%,1/4W,AA,TP,2.4x6.4mm	
R06	88.5	39.8	2001-001107	REF-CF,220,5%,1/2W(S	300V,-200 TO +200PPM/C,R-AXIAL	
RB01	68.3	11.8	2001-000023	REF-CF,47,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
RB02	8.5	59.8	2001-000021	REF-CF,27,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
RB03	33.5	48	2001-000506	REF-CF,220K,5%,1/4W	250V,-1000 TO -500PPM/C,R-AXIAL	
RB04	31.3	29.3	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
RB05	40.3	18.3	2002-000107	R-COMPOSITION	100ohm,10%,1/2W,AA,TP,3.5x9.5m	
RB06	83.3	20.5	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
RG01	68.3	8.8	2001-000023	REF-CF,47,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
RG02	23	59.8	2001-000021	REF-CF,27,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
RG03	50.8	74	2001-000506	REF-CF,220K,5%,1/4W	250V,-1000 TO -500PPM/C,R-AXIAL	
RG04	47.3	63	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
RG05	63.5	74.5	2002-000107	R-COMPOSITION	100ohm,10%,1/2W,AA,TP,3.5x9.5m	
RG06	80.8	20.5	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
RR01	68.3	5.8	2001-000023	REF-CF,47,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
RR02	15	59.8	2001-000021	REF-CF,27,5%,1/4W	250V,-350 TO +350PPM/C,R-AXIAL	
RR03	33.5	62	2001-000506	REF-CF,220K,5%,1/4W	250V,-1000 TO -500PPM/C,R-AXIAL	
RR04	41.3	48	2001-000043	REF-CF,1K,5%,1/6W	150V,-1300 TO +350PPM,R-AXIAL	
RR05	54.8	65.5	2002-000107	R-COMPOSITION	100ohm,10%,1/2W,AA,TP,3.5x9.5m	
RR06	75.5	20.5	2001-000051	REF-CF,2.7K,5%,1/6W	150V,-1300 TO +350PPM/C,R-AXIAL	
SG1	79.3	54	4715-000001	SURGE ABSORBER	1KV,+50-10%	
SK1	68.5	45	3704-001042	SOCKET-CRT	7P,22.5PI,12PI,SN	

Loc. No.	Code No.	Description	Specification	
CN1	3711-003230	CONNECTOR-HEADER	BOX,3P,1R,2mm,ANGLE,SN	CGK5507
CN2	3711-003456	CONNECTOR-HEADER	BOX,7P,1R,2mm,ANGLE,SN	CGK5507
CN3	3711-003233	CONNECTOR-HEADER	BOX,9P,1R,2mm,ANGLE,SN	CGK5507
D201	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
D202	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
D203	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
D204	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
D205	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
D206	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
D207	0403-000005	DIODE-ZENER	UZ5.1B,5.1V,4.8-5.4V,500mW,DO-	CGK550(1)7
SW201	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	CGK550(1)7
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW202	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW203	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW204	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW205	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW206	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW207	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW208	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW209	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
SW210	3404-000243	SWITCH-TACT	15V,20mA,160gf+-50gf,6x3.4mm,S	
	3404-000244	SWITCH-TACT	15V,20mA,160gf+-50gf,7.5X7mm,S	CGK5527
VR501	2101-001008	VR-ROTARY	10K, 20%, 1/20W, TOP	CGK550(1)7
	2101-000184	VR-ROTARY	10K, 20%, 1/20W, TOP	CGK5527
VR503	2101-001008	VR-ROTARY	10K, 20%, 1/20W, TOP	CGK550(1)7
	2101-000184	VR-ROTARY	10K, 20%, 1/20W, TOP	CGK5527

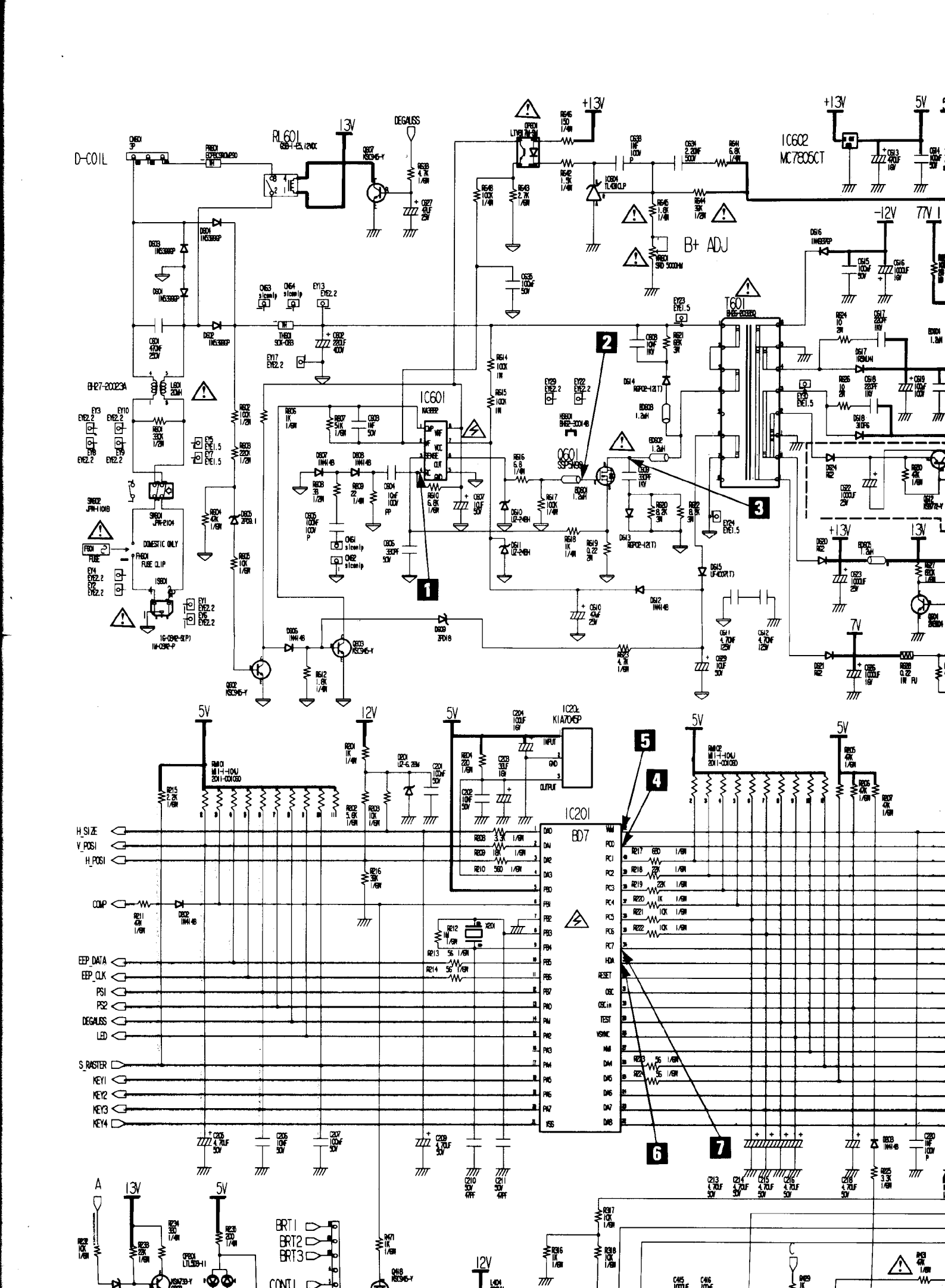
10-3-2 LED PCB Parts

Loc. No.	Code No.	Description	Specification	Remarks
CN201	BH39-40359J	CON-BOX HEADER	1R,STRAIGHT,9P,2.5MM	CGK5507
	BH39-40358V	CON-BOX HEADER	1R,STRAIGHT,9P,2.5MM	CGK5517
CN202	BH39-40359H	CON-BOX HEADER	1R,STRAIGHT,10P,2.5MM	CGK5507
	BH39-40357T	CON-BOX HEADER	1R,STRAIGHT,10P,2.5MM	CGK5517
OP201	0601-001047	LED	ROUND,GRN/YEL,2mm,585nm	CGK5507
	0601-001036	LED	ROUND,GRN/YEL,4.8mm,585nm	CGK5517
	0601-001463	LED	ROUND,GRN/YEL,4.8mm,585nm	CGK5527

Loc No	Code No	Description	Specification	Remark
C639	2202-002008	C-CERAMIC	MLC-AXIAL,50V,10NF	
C622	2401-000151	CAP-AL.ELEC	1000UF,25V,125.X20	
BD608	3301-000011	MAG-CORE	FERRITE,BEAD,1.2UH	
CN602	3722-000110	CON-MINIATURE JACK		
D624	0402-000014	DIODE-REC.	RG2,1.2A,1.8V	
D625	0403-000289	DIODE-ZEN	MTZ10C,10V,9.7~10.2V	
R651	2001-000043	R-AXIAL	REF-CF,1K,5%,1/6W	
R655	2001-000051	R-AXIAL	REF-CF,2.7K,5%,1/6W	
R650	2001-000077	R-AXIAL	REF-CF,47K,5%,1/6W	
Q611	0501-000586	TR-NPN	KSC945,TO-92,EBC	
Q612	0502-000249	TR-PNP	KSB772,TO-126,ECB	
SPEAKER	BH30-10001L	SPEAKER ASS'Y	SPEAKER(L,R), CABLE (3SET)	CGK5507LM
	BH30-10001G	SPEAKER ASS'Y	SPEAKER(L,R), CABLE (3SET)	CGK5517LM

Others

Loc No	Code No.	Description	Specification	Remark
CRT	BH03-10335J	CRT-COLOR 15",0.28	M36LGE23XX01	
CRT GND	BH39-40359D	CBF-CRT GROUND	2P,370MM,BLK,UL1015,AWG18	
D-COIL	BH27-10003A	DEGAUSSING COIL	255*255M,11.0MH,20.50HM,110T	
MAGNET RUBBER	3302-000006	MAG-RUBBER MAGNET	AF,14G,1620-1980G,0.58-0.9 MGOE	
PROCESS-PWA UNIT	BH91-10362W	ASS'Y PCB	CGK55*7L	
P/CORD	BH39-10004A	CBF-POWER/CORD	DET,VCTF,250V/7A,IVY,1830MM,N	
	BH39-10339E	CBF-POWER/CORD	DET,SVT,125V,7A/10A,IVORY,1830MM	
SIGNAL CABLE	BH39-20335T	CBF-SIGNAL	DET,1530MM,15P/15P,IVORY,UL299	
AUDIO ASS'Y	BH30-10001K	SPEAKER-UNIT	5W,2W,4OHM,91DB/92DB,130	RIGHT,CGK5507LM
	BH30-10001J	SPEAKER-UNIT	5W,2W,4OHM,91DB/92DB,130	LEFT,CGK5507LM
	BH30-10001D	SPEAKER-UNIT	2W,4OHM,98DB,250HZ~20KHZ	RIGHT,CGK551(2)7LM
	BH30-10001E	SPEAKER-UNIT	2W,4OHM,98DB,250HZ~20KHZ	LEFT,CGK551(2)7LM


D-COIL
RL601
DEGAUSS
+13V
IC602
MC7805CT
-12V
B+ ADJ
T601
IC601
Q601
IC201
BD7
IC204
KIA7045P
DOMESTIC ONLY
FUSE CLIP
H_SIZE
V_POSI
H_POSI
COMP
EEP_DATA
EEP_CLK
PSI
PS2
DEGAUSS
LED
S_RASTER
KEY1
KEY2
KEY3
KEY4
BRT1
BRT2
BRT3
CONT
1
2
3
4
5
6
7

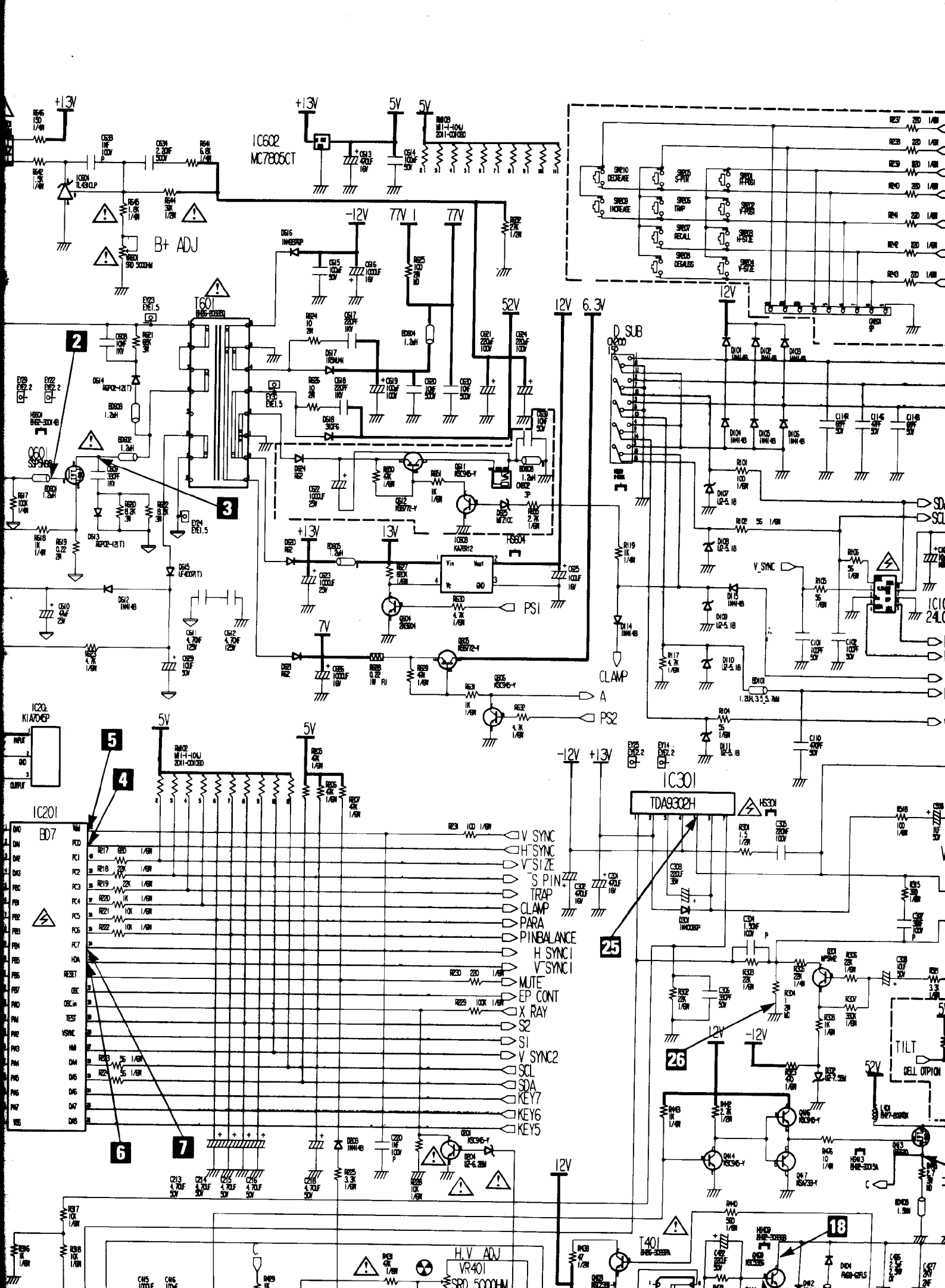
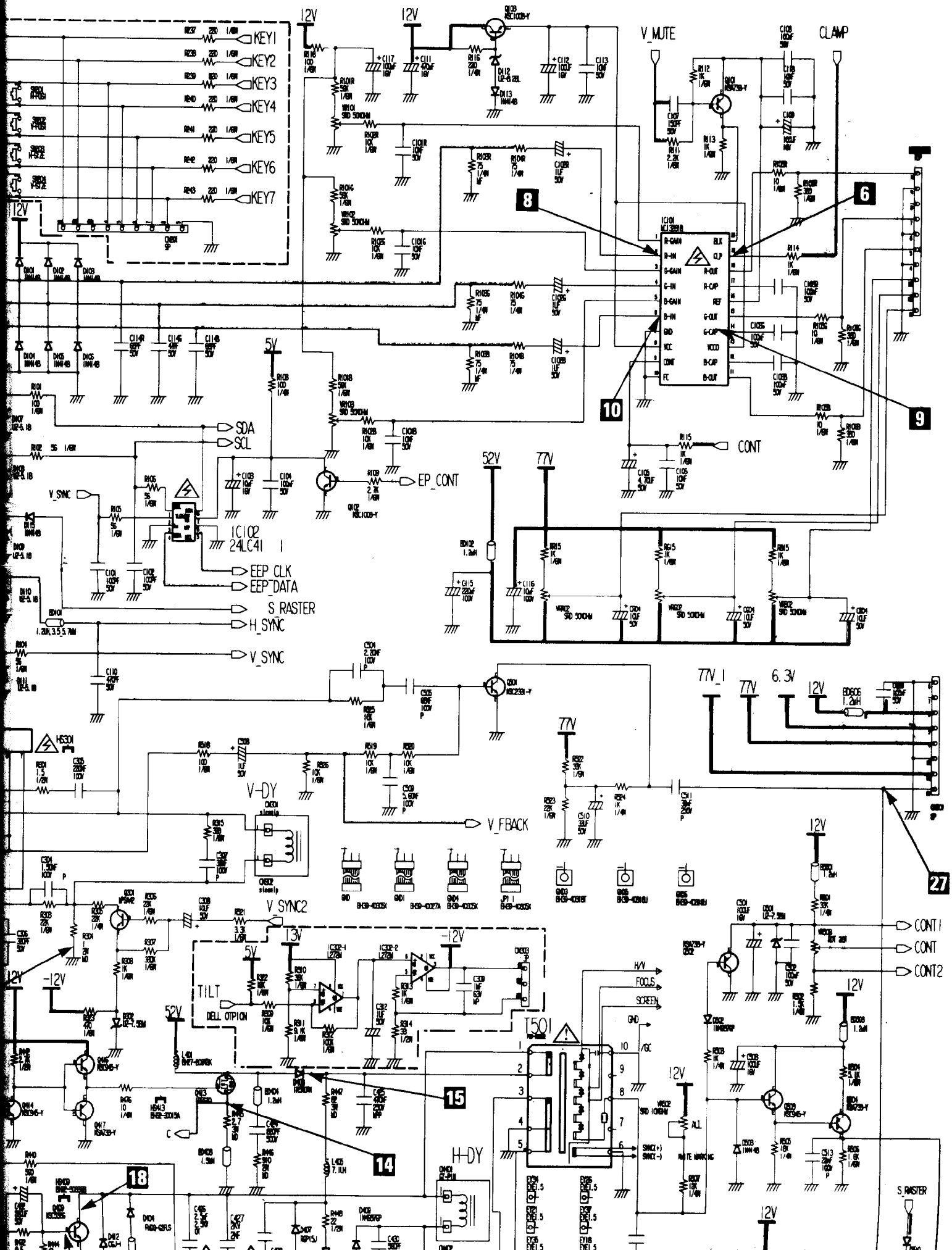
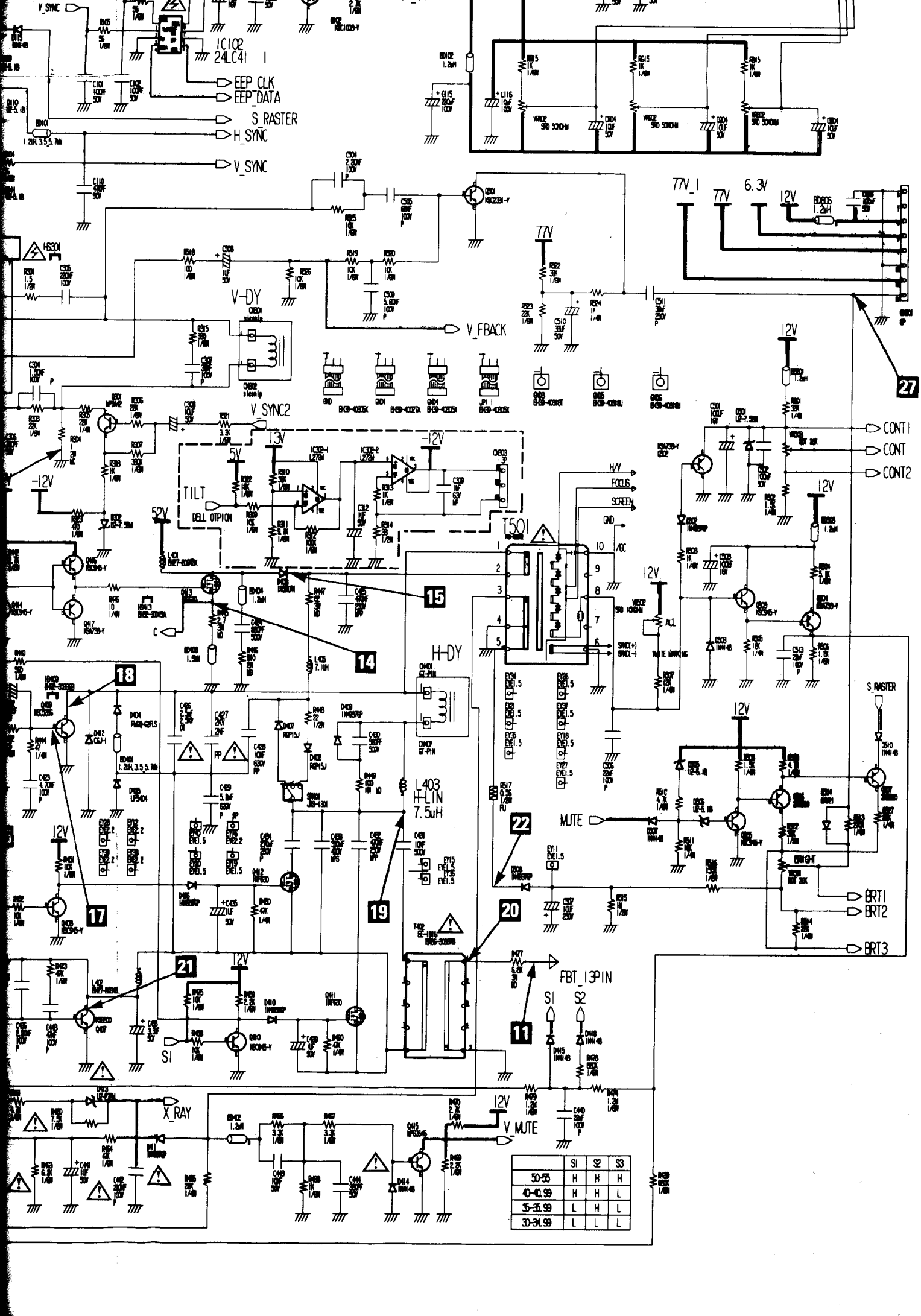
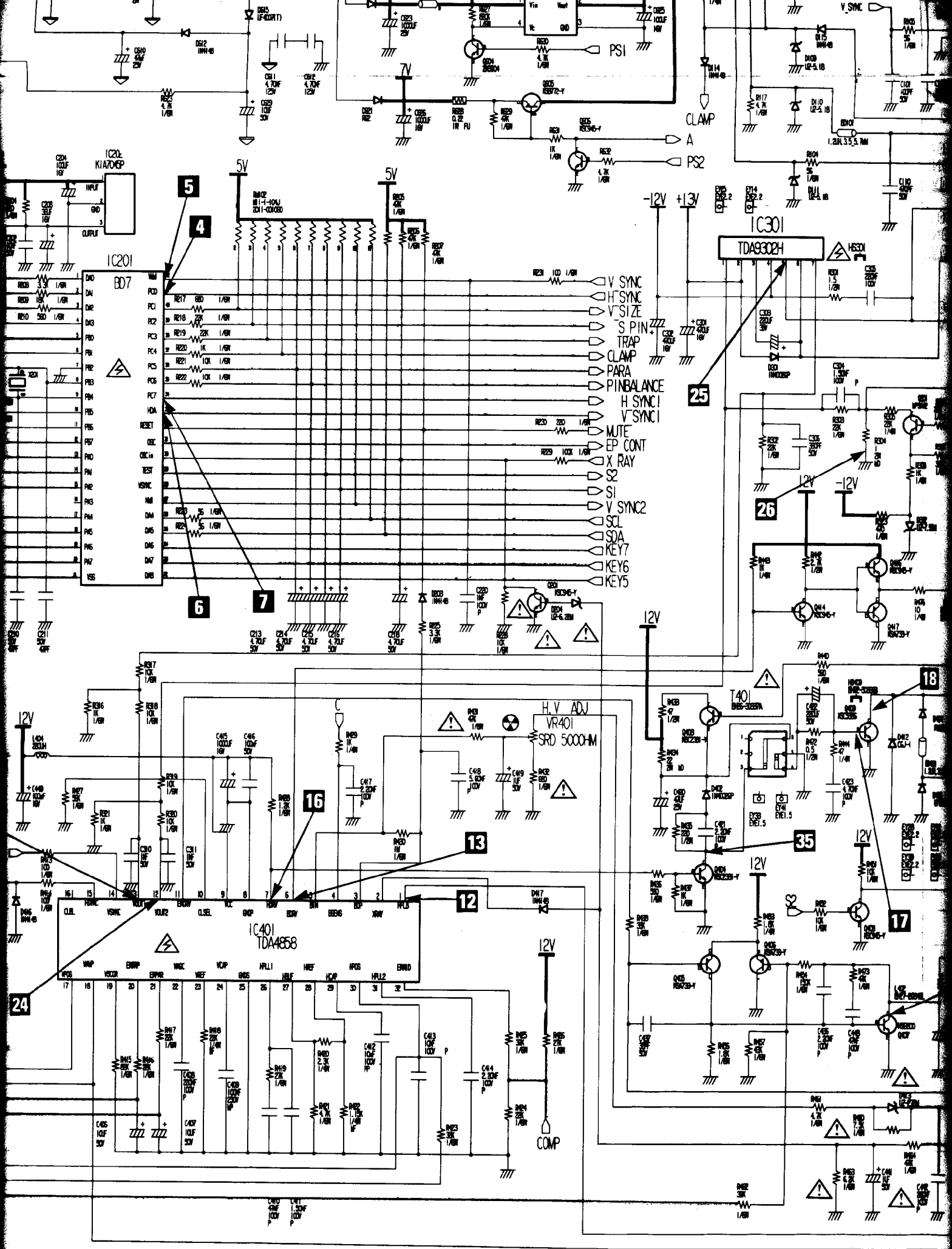

+13V
5V
-12V
7V
52V
12V
6.3V
B+ ADJ
IC602
MC7805CT
T601
Q60
D SUB
V_SYNC
CLAMP
PS1
PS2
A
IC201
BD7
IC301
TDA9302H
H.V ADJ
VR401
T401
TILT
DELL OPTION
V_SYNC
H_SYNC
V_SIZE
S_PIN
TRAP
CLAMP
PARA
PINBALANCE
H_SYNC1
V_SYNC1
MUTE
EP_CONT
X_RAY
S2
S1
V_SYNC2
SCL
SDA
KEY7
KEY6
KEY5

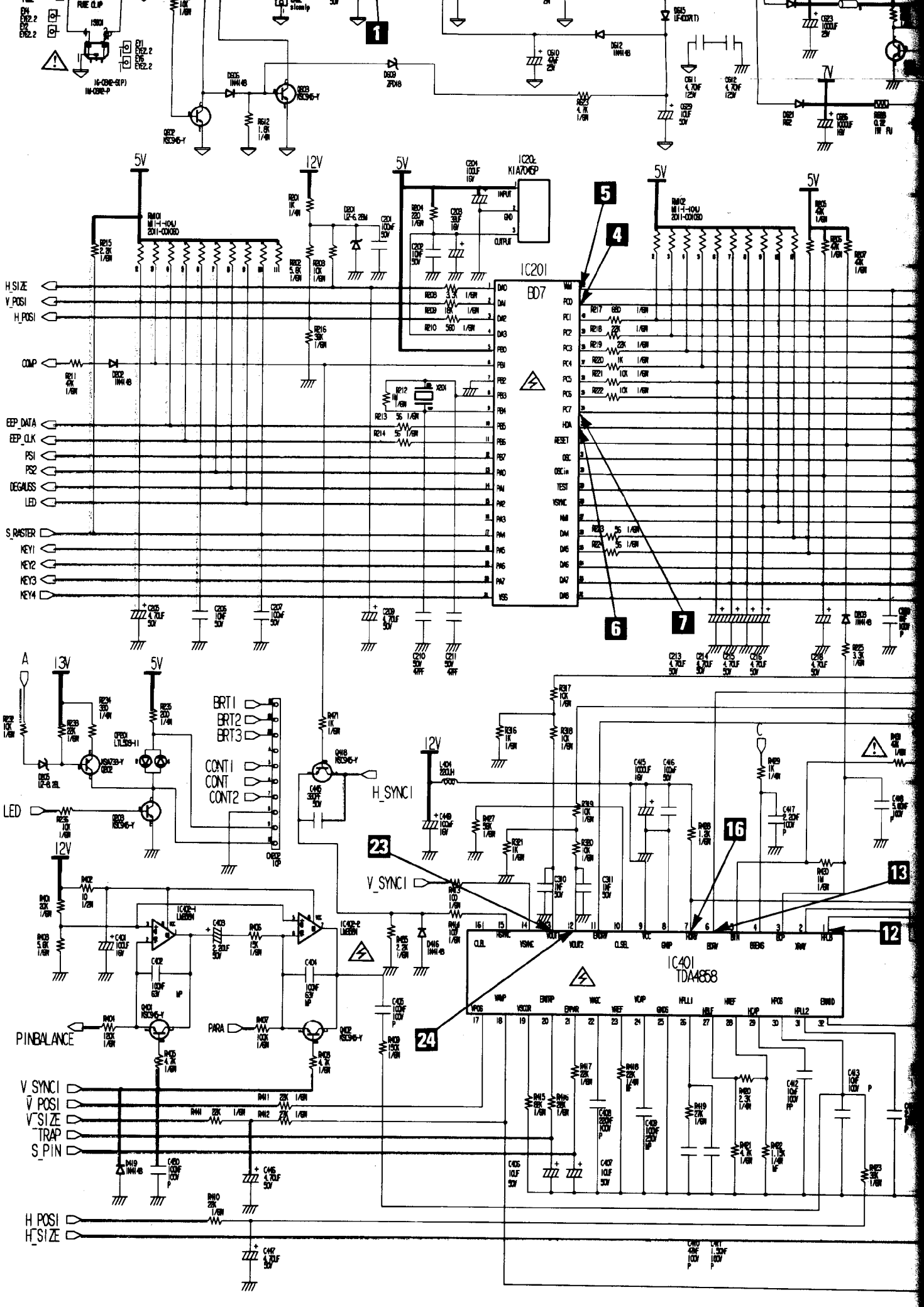
DIAGRAMA ESQUEMÁTICO



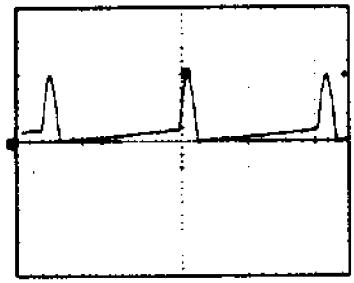


	S1	S2	S3
50-55	H	H	H
40-40.99	H	H	L
35-35.99	L	H	L
30-34.99	L	L	L


IC201
IC301
TDA9302H
IC401
TDA4858
VR401
SRD 5000HM
H.V ADJ
V SYNC
H SYNC
V SIZE
S PIN
TRAP
CLAMP
PARA
PINBALANCE
H SYNC1
V SYNC1
MUTE
EP CONT
X RAY
S2
S1
V SYNC2
SCL
SDA
KEY7
KEY6
KEY5
PS1
PS2
A
5V
7V
12V
-12V
+13V
COMP

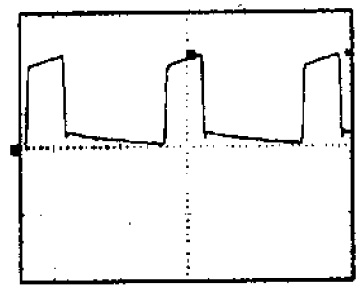

5V
12V
IC201
BD7
H_SIZE
V_POSI
H_POSI
COMP
EEP_DATA
EEP_CLK
PS1
PS2
DEGAUSS
LED
S_RASTER
KEY1
KEY2
KEY3
KEY4
13V
BRT1
BRT2
BRT3
CONT1
CONT
CONT2
H_SYNC1
V_SYNC1
IC401
TDA4858
PINBALANCE
PARA
V_SIZE
TRAP
S_PIN

1 4.24 V (IC601 #4)



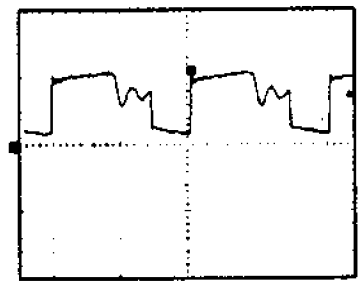
CH1 P-P = 4.24 V CH1 RMS = 1.252 V

2 13.6 V (Q601 Gate)



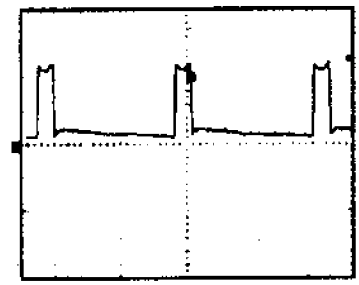
CH1 P-P = 13.6 V CH1 RMS = 7.61 V

3 192 V (Q601 Drain, 110V)



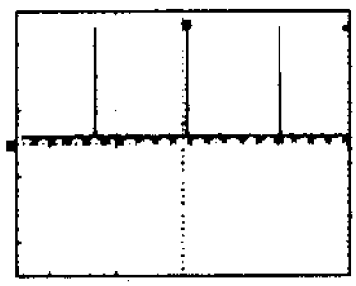
CH1 P-P = 192 V CH1 RMS = 159.4 V

4 2.28 V (IC201 #41)



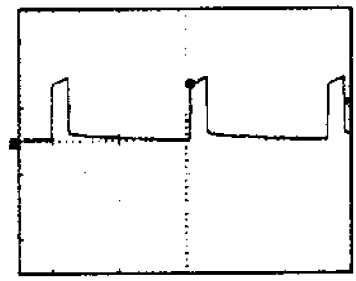
CH1 P-P = 2.28 V CH1 RMS = 946 mV

5 3.64 V (IC201 #42)



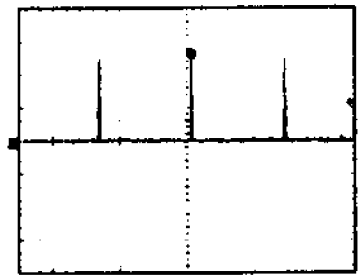
CH1 P-P = 3.64 V CH1 RMS = 370 mV

6 3.92 V (IC201 #34,IC101 #19)



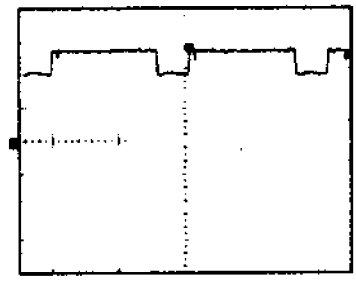
CH1 P-P = 3.92 V CH1 RMS = 1.468 V

7 5.20 V (IC201 #33)



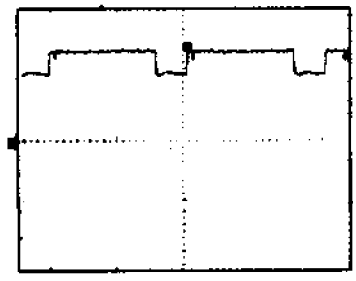
CH1 P-P = 5.20 V CH1 RMS = 484 mV

8 840 mV (IC101 #2)



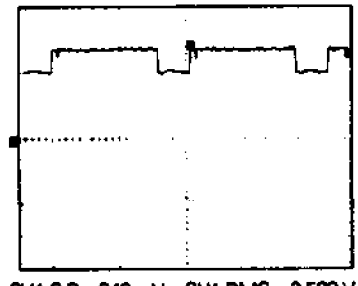
CH1 P-P = 840 mV CH1 RMS = 2.592 V

9 840 mV (IC101 #14)



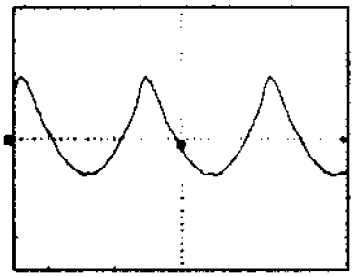
CH1 P-P = 840 mV CH1 RMS = 2.592 V

10 840 mV (IC101 #6)



CH1 P-P = 840 mV CH1 RMS = 2.592 V

11 304 V (R477)



CH1 P-P = 304 V CH1 RMS = 98.2 V

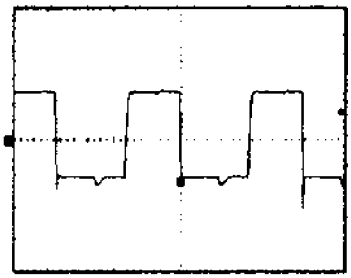
12 4.32 V (IC401 #1)

CH1 P-P = 4.32 V CH1 RMS = 1.568 V

13 5.28 V (IC401 #6)

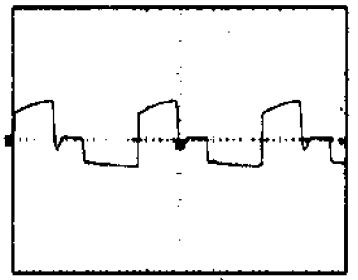
CH1 P-P = 5.28V CH1 RMS = 1.264 V

14 18.0 V (Q413 Gate)



CH1 P-P = 18.0 V CH1 RMS = 6.34 V

15 102 V (D403 Anode)

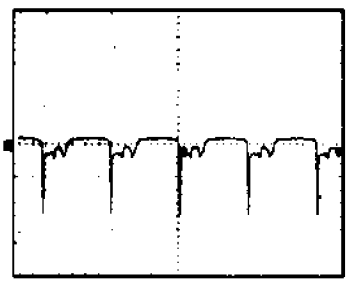


CH1 P-P = 102 V CH1 RMS = 38.7 V

16 4.40 V (IC401 #7)

CH1 P-P = 4.40 V CH1 RMS = 3.008V

17 11.8 V (Q409 Base)

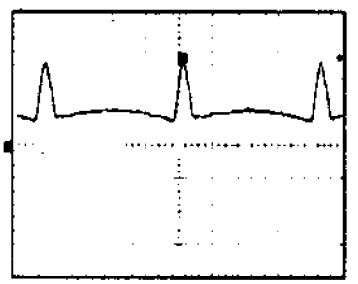


CH1 P-P = 11.8 V CH1 RMS = 1.58 V

18 800 V (Q409 Collector)

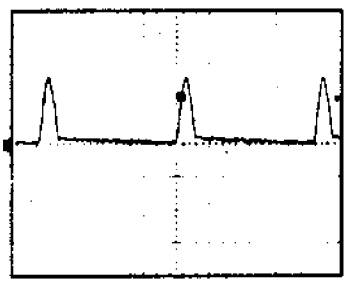
CH1 P-P = 800 V CH1 RMS = 218.0 V

19 180 V (L403 Finish)



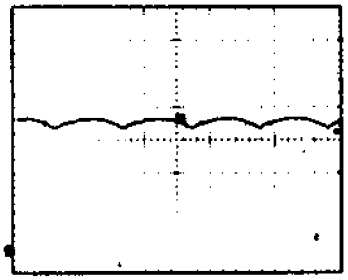
CH1 P-P = 180 V CH1 RMS = 116.8 V

20 208 V (T402 #1)



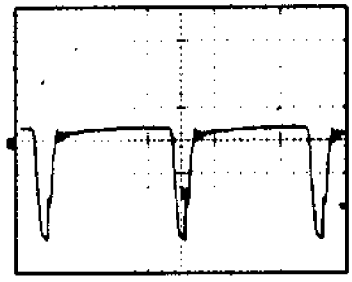
CH1 P-P = 208 V CH1 RMS = 58.2 V

21 1.8 V (Q407 Collector)



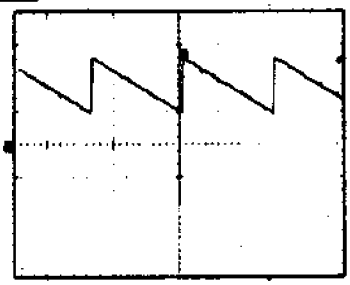
CH1 P-P = 1.8 V CH1 RMS = 19.18 V

22 172 V (D508 Cathode



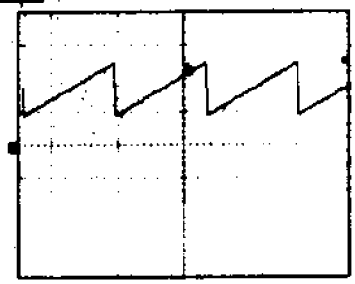
CH1 P-P = 172 V CH1 RMS = 47.6 V

23 3.36 V (IC401 #13)



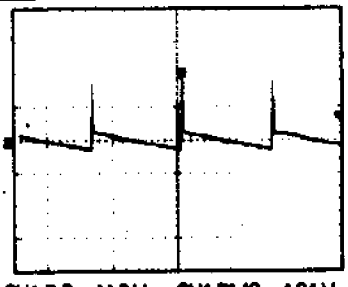
CH1 P-P = 3.36 V CH1 RMS = 3.748 V

24 3.36 V (IC402 #12)



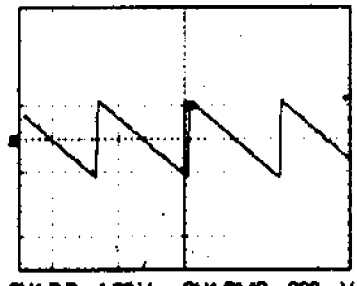
CH1 P-P = 3.36 V CH1 RMS = 3.444 V

25 44.8 V (IC301 #5)



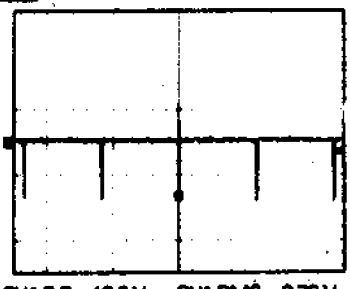
CH1 P-P = 44.8 V CH1 RMS = 4.64 V

26 1.20 V (R304)



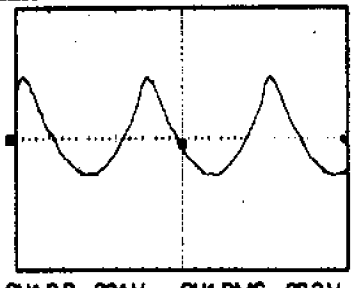
CH1 P-P = 1.20 V CH1 RMS = 322 mV

27 19.6 V (CN501 #1)



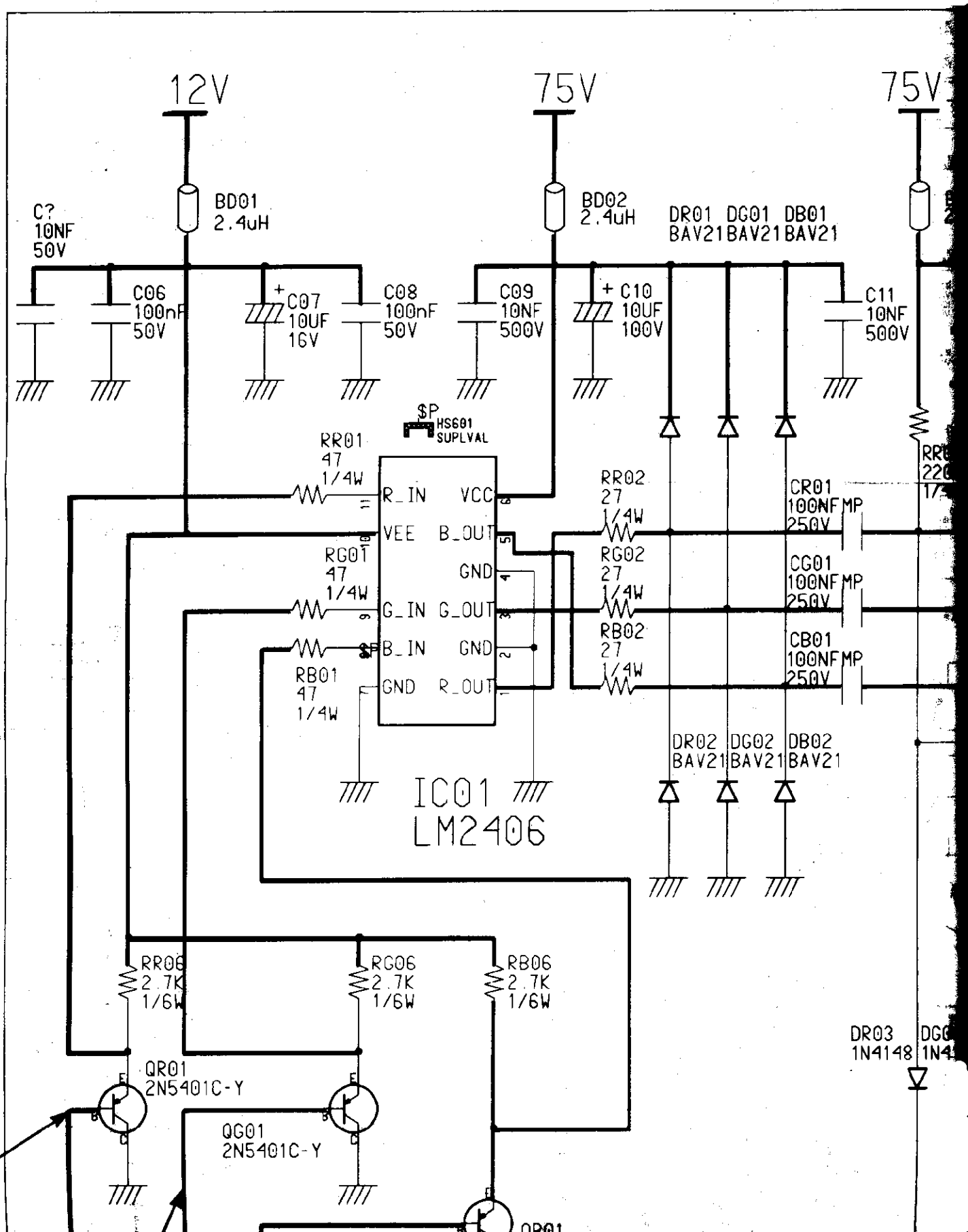
CH1 P-P = 19.6 V CH1 RMS = 2.76 V

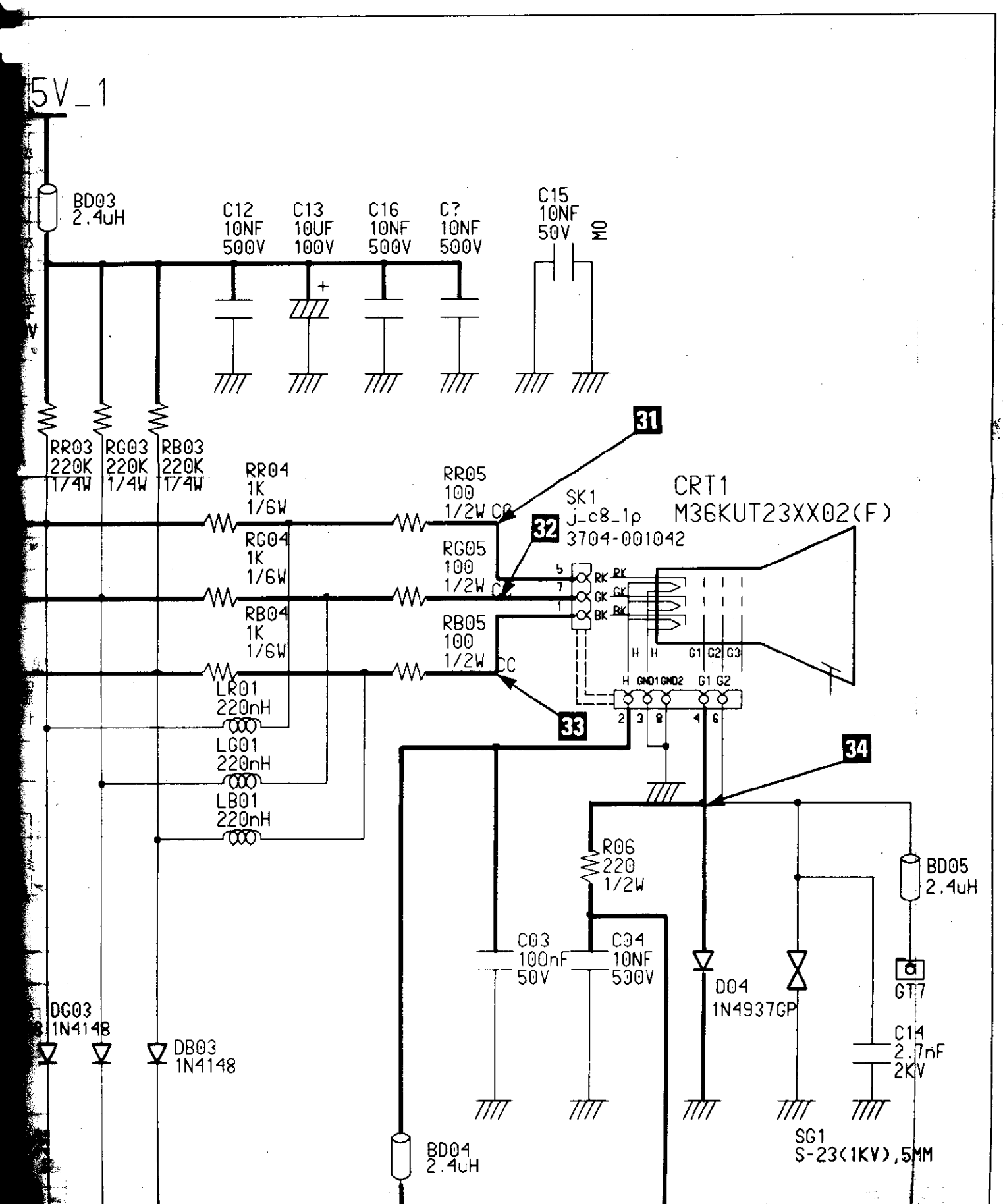
35 304 V (Q404 Collector)

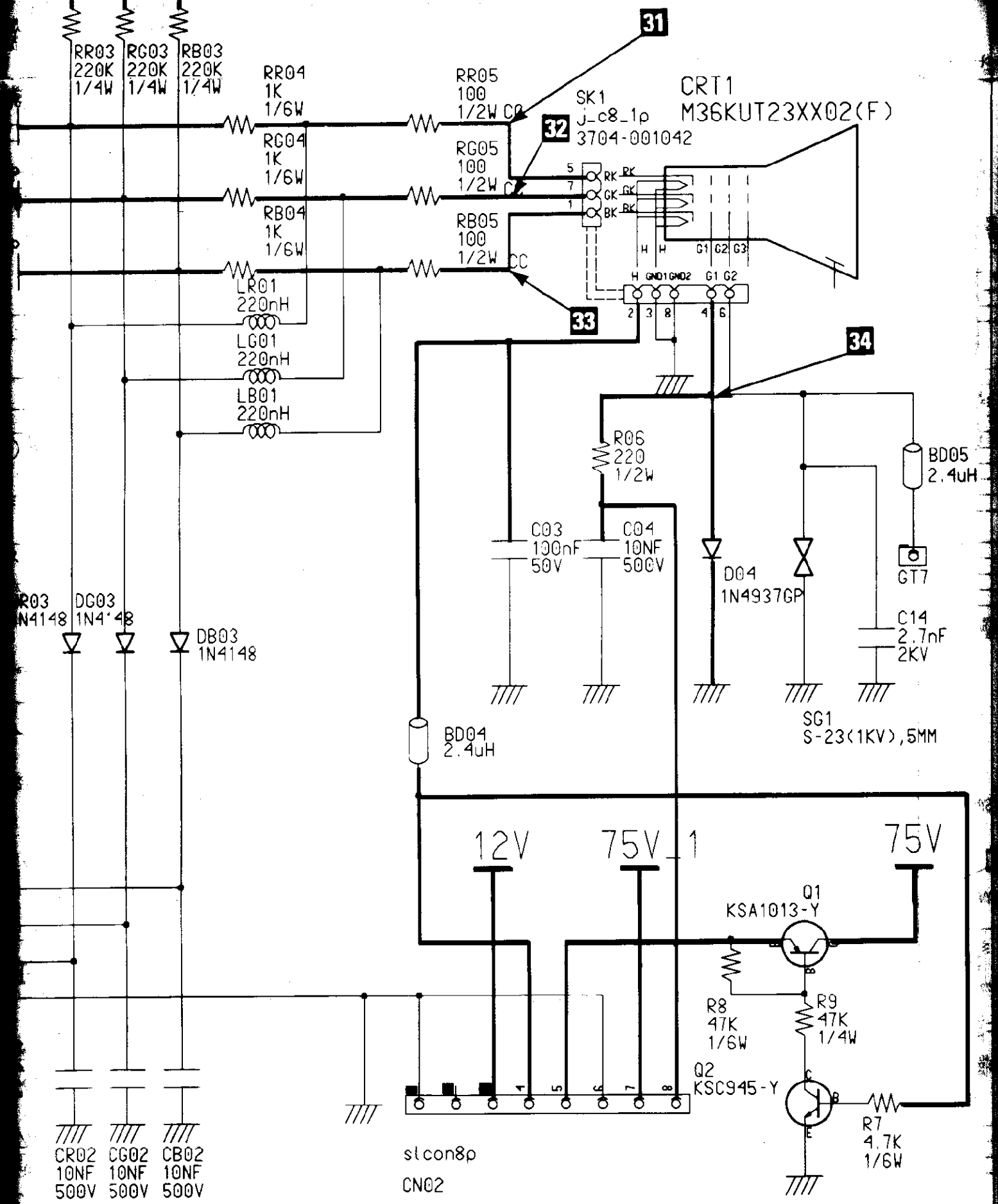


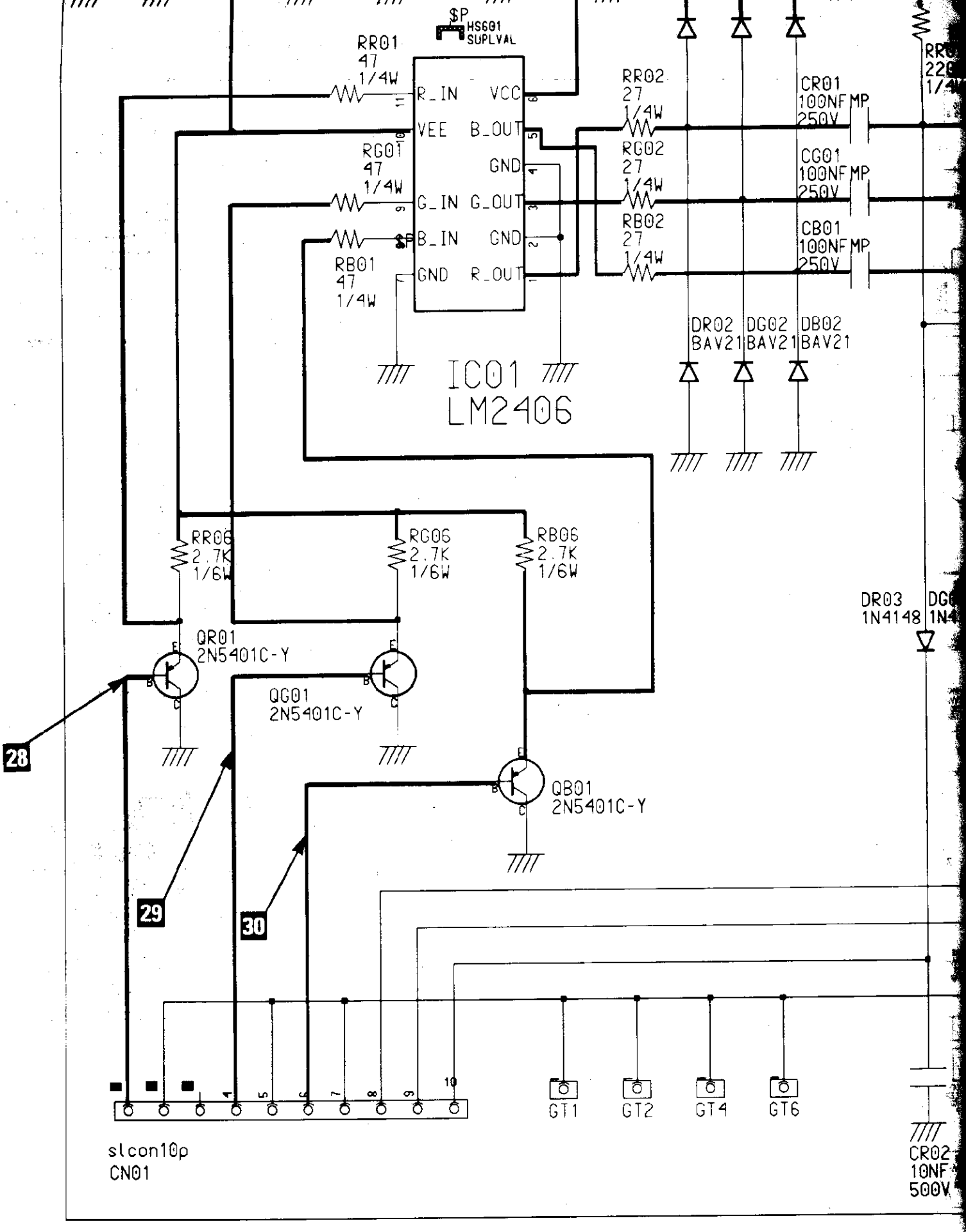
CH1 P-P = 304 V CH1 RMS = 98.2 V

DIAGRAMA ESQUEMÁTICO

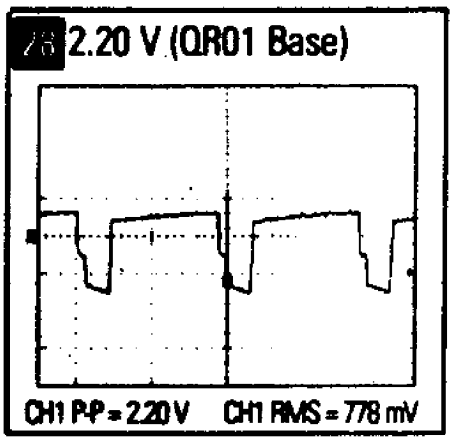



5V_1
BD03
2.4uH
C12
10NF
500V
C13
10UF
100V
C16
10NF
500V
C?
10NF
500V
C15
10NF
50V
MO
RR03
220K
1/4W
RG03
220K
1/4W
RB03
220K
1/4W
RR04
1K
1/6W
RG04
1K
1/6W
RB04
1K
1/6W
RR05
100
1/2W
RG05
100
1/2W
RB05
100
1/2W
31
32
33
34
SK1
j_c8_1p
3704-001042
CRT1
M36KUT23XX02(F)
RK
GK
BK
H
GND1
GND2
G1
G2
LR01
220nH
LG01
220nH
LB01
220nH
R06
220
1/2W
C03
100nF
50V
C04
10NF
500V
D04
1N4937GP
BD05
2.4uH
GT7
C14
2.7nF
2KV
SG1
S-23(1KV),5MM
DG03
1N4148
DB03
1N4148
BD04
2.4uH

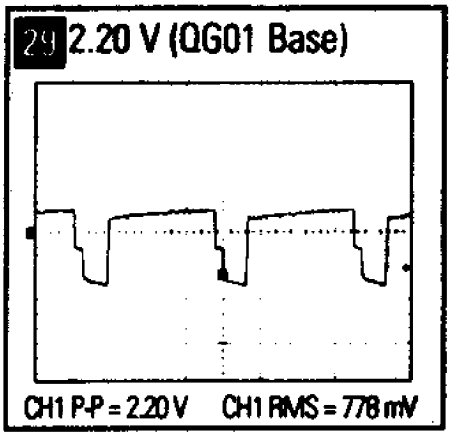

RR03 220K 1/4W
RG03 220K 1/4W
RB03 220K 1/4W
RR04 1K 1/6W
RG04 1K 1/6W
RB04 1K 1/6W
RR05 100 1/2W
RG05 100 1/2W
RB05 100 1/2W
31
32
33
34
SK1
J_c8_1p
3704-001042
CRT1
M36KUT23XX02(F)
RK
GK
BK
H
G1
G2
G3
GND1
GND2
LR01 220nH
LG01 220nH
LB01 220nH
R06 220 1/2W
C03 100nF 50V
C04 10NF 500V
D04 1N4937GP
BD05 2.4uH
GT7
C14 2.7nF 2KV
SG1 S-23(1KV),5MM
BD04 2.4uH
DG03 1N4148
DB03 1N4148
12V
75V_1
75V
Q1 KSA1013-Y
R8 47K 1/6W
R9 47K 1/4W
Q2 KSC945-Y
R7 4.7K 1/6W
CR02 10NF 500V
CG02 10NF 500V
CB02 10NF 500V
slcon8p
CN02


$P
HS601
SUPLVAL
RR01
47
1/4W
RG01
47
1/4W
RB01
47
1/4W
R_IN
VCC
VEE
B_OUT
GND
G_IN
G_OUT
B_IN
GND
GND
R_OUT
IC01
LM2406
RR02
27
1/4W
RG02
27
1/4W
RB02
27
1/4W
CR01
100NF MP
250V
CG01
100NF MP
250V
CB01
100NF MP
250V
DR02
BAV21
DG02
BAV21
DB02
BAV21
RR06
2.7K
1/6W
RG06
2.7K
1/6W
RB06
2.7K
1/6W
DR03
1N4148
QR01
2N5401C-Y
QG01
2N5401C-Y
QB01
2N5401C-Y
28
29
30
GT1
GT2
GT4
GT6
slcon10p
CN01
CR02
10NF
500V

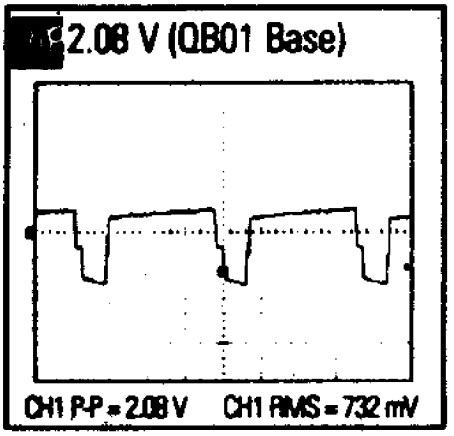
28 2.20 V (QR01 Base)



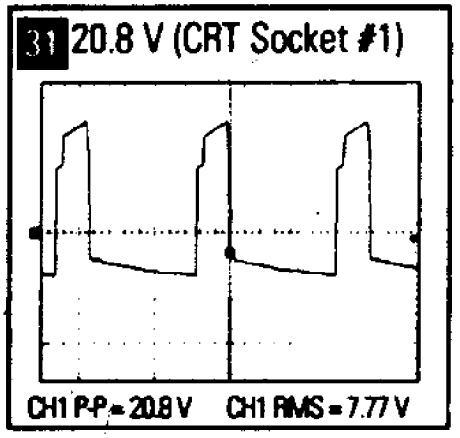
29 2.20 V (QG01 Base)



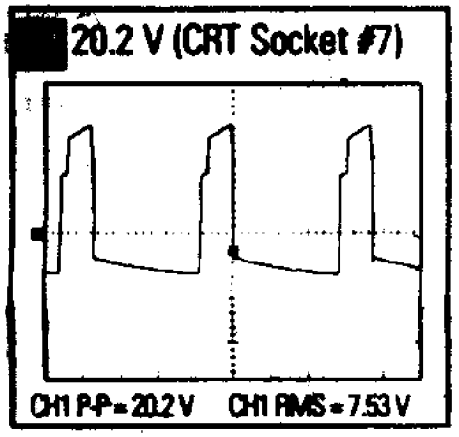
[illegible] 2.08 V (QB01 Base)



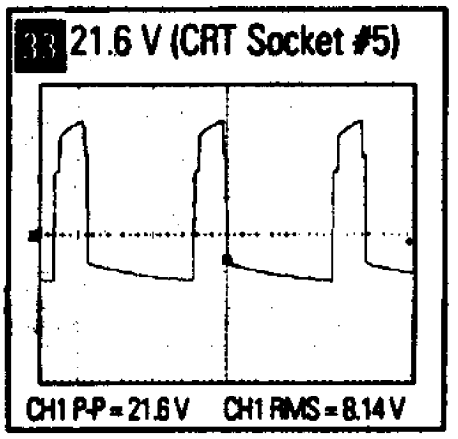
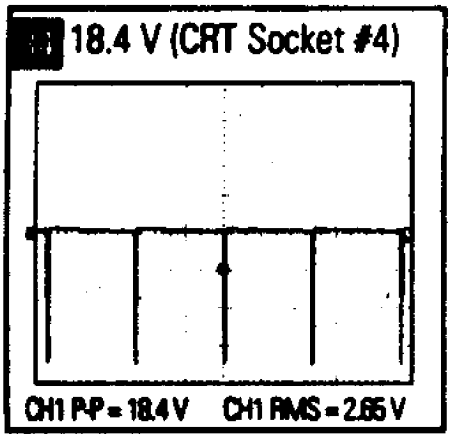
31 20.8 V (CRT Socket #1)



[illegible] 20.2 V (CRT Socket #7)



33 21.6 V (CRT Socket #5)



[illegible] 18.4 V (CRT Socket #4)